MINUTE BOOK

1859 - 1865.

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Draft Minute Book of
the Council of the
Scottish Meteorological Society.

28th October 1859
– 16th March 1865

Minute of Meeting of the Council of the Scottish Meteorological Society held within the Society's Chambers, 10 St. Andrew Square, Edinburgh, on 28th October 1859;

Present.

The Honble. Lord Curriehill.
Mr. Stephens.
Mr. Johnston.
Dr. Coldstream.
Mr. Richard Hunter.
The Meteorological Secretary.
The Treasurer.

Mr. Milne Home had requested that it might be explained that he regretted his necessary absence from the Meeting, caused by his having to take part in the Election of the Chancellor of the University, to take place today. The Honble. Lord Curriehill was, in consequence, called to the Chair.

The Minutes of last Meeting were read, and found correct.

Dr. Coldstream was introduced, and returned thanks on his appointment as a Member of the Council.

Mr. Burgess made a Statement, drawing the attention of the Council to the unequal and imperfect distribution of the Society's Stations over the Country; and submitted a Map of Scotland on which he had marked those positions where, or near to which, he considered it desirable that Stations should be established before the end of this year. Mr. Johnston explained that the position of existing Stations had not been selected by the Society, and thought it very desirable that an effort should be made to carry out Mr. Burgess' plan. It was agreed that the subject should receive further consideration.

Mr.

28 October 1859 -

Mr. Burgess was authorized to procure from London an Apparatus for testing Thermometers, which he described - not to exceed £3. in price - also to visit the Stations at Newbattle and Pittenweem -

A number of Books and Charts, which had been presented to the Society, were laid on the table, and the thanks of the Council were directed to be returned to the donors -

Mr. Burgess was requested to draw up a Catalogue of the Books in the Society's Library, for the guidance of Parties proposing to give Donations of Books &c. and to get the same printed, that it might be issued with one of the Society's Reports -

The Meeting was adjourned to Thursday the 3d. prox. at two o'clock, for the consideration of other matters which would be better considered with the benefit of Mr. Milne Home's presence -

John Marshall

Adjourned Meeting of Council, in Society's Chambers, on 3rd November 1857.

Present.

Mr. Milne Home – in the Chair –
Dr. Keller –
Mr. Miller –
Mr. Stephens –
Mr. Johnston –
Sir John Stuart Forbes –
Honble. Lord Curriehill –
The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting were read and found correct.

The subject of Stations was again considered, in connection with the Map referred to in last Minute. A draft Circular to parties who might be supposed likely to know of persons in different districts who might be qualified to act as Observers in eligible Stations was submitted. It was agreed that a communication should be opened with parties such as those referred to, and Sir John Stuart Forbes and Mr. Johnston undertook forthwith to endeavour to ascertain those who might be eligible as correspondents with this view.

It was agreed that ~~a list~~ priced Lists of Instruments required for full Observation should be prepared, and kept up in the Society's Chambers.

Mr. Burgess mentioned what appeared to him

him to the defective nature of the Rain guage made by the Society's Observers, of, as he understood, the late Dr. Fleming's invention. The subject generally was considered and discussed, and Mr. Burgess was requested to have an Instrument constructed, in which the defects that had been adverted to in the course of the conversation should be avoided, or obviated.

The Chairman directed attention to a set of Wind and Current Charts which had kindly been presented to the Society by Lieut. Maury of the United States. It was agreed that a Portfolio should, in the meantime, be procured for their preservation.

The Chairman reminded the Council of the fact that they had generally made a point of having some definite subject of investigation under the Meteorological Secretary's hands, with a view to its being treated in the Society's Quarterly Reports. It was agreed that the practice should be continued, and Mr. Burgess was instructed accordingly. — It was remitted to Mr M. Home to enquire as to whether we should adopt the mean monthly or mean daily range of the thermometer and to arrange with Mr. Burgess. It was agreed to advertise for new subscribers to the extent of £5 — noticing the issue of the Quarterly abstract & the Prizes of the Marq. of Tweeddale as well as the priced lists of instruments.

Paid Mr. Mitchell [illegible] 1/6/0 balance on Prize of 50/- a [illegible], purchased for the Society; [illegible] at the [illegible] of [illegible] for the Society. — F.G.

Meeting of Council, in Society's Chambers,
2 December 1859.

Present.
Mr Russell, in the Chair.
Mr Stephens.
Captn Thomas.
Mr Johnston.
Dr Mitchell.
The Meteorological Secretary.
The Treasurer.

The Minutes of last Meeting, held on ~~28 Octr~~ 3d November, were read and found correct.

Mr Johnston reported, relatively to the Remit to Sir John Stuart Forbes & himself by last Meeting, that he, and he believes, Sir John S. Forbes, and Mr Milne Home, had been in Communication with different Parties, but that no definite answers had yet been received.

Mr Burgess reported ~~several~~ an offer ~~of services as Observer and the Meeting agreed to one of that of~~ ~~Dr~~ by Dr Baikie to act as Observer at Kirkwall, and his offer was accepted — as was also an offer by Mr Macdougall, Skye, to establish a Station at Brodick, Arran, besides continuing the station at Portree. The thanks of the Council to be expressed to Mr Macdougall.

Mr Burgess stated that Sir John Orde had offered to furnish a Station in North Uist, provided an Observer could be had. Mr Milne Home to be asked to communicate with the Revd John Macrae on the subject.

Mr Burgess further stated that the Cost of the Apparatus used at Kew for testing Thermometers is £6. It was agreed that he should have a cheaper one made in Edinburgh.

Mr

2 Dec. 1859 –

Mr Burgess submitted, in proof, a Weather Report, and, in M.S., a Table of Daily Range –

A Letter was read from Mr Glaisher, Secretary of the British Meteorological Society, promising cooperation and Exchange of Reports – A number of Sets of the Transactions of the British Society presented by Mr Glaisher was laid ~~on the table~~ before the Council – It was agreed that Mr Johnston should write to Mr Glaisher, and that Mr Burgess should get two Copies of the Reports bound –

It was reported that the Duke of Roxburgh had ordered a Set of Instruments, and that priced Lists of Instruments had, at their own request, been sent to the Lord Justice General and Mr W. Chambers –

Mr Burgess stated that Mr Bell, C.E., late Observer at Moike House, had removed his residence to Edinburgh, but had proposed to leave his Instruments with Mr Lothian, of Campbeltown, a Correspondent of the Society – Mr Burgess was directed to communicate with Mr Lothian on the subject –

Mr Burgess also mentioned that in several cases the Schedules had come in too late for being printed, and expressed his opinion that some Observers were not aware of the Society's arrangements with regard to the Reduction of the Observations –

The Treasurer was directed to communicate with Mrs Scott, the Landlady of the Society's Chambers, as to a Complaint by her of her not being duly paid for Coals and Gas, and to intimate to her that she was paid in strict conformity with her current Agreement – Also that if the door of the House was to be left open at night a Chubb lock ought to be procured –

13 Dec. 1859 –

Present –
Mr. Milne Home – in the Chair –
Mr. Stephens –
Mr. Stevenson –
Dr. Christison –
Captn. Thomas –
Mr. Russell –

The Meteorological Secretary –
The Treasurer.
Minutes of last Meeting read and found correct –
In reference to the addition of new Stations to the Society's List it was agreed that while in eligible places stations if possible ought to be obtained no active part should be taken by the Council in the adjustment of the published list – that would be arranged by the Registrar General
Mr Burgess explained that he had directed an Edinburgh Maker (Mr. Hart) to construct an apparatus for testing Thermometers and requested permission to reject any thermometers not graduated on tubes as he had found serious errors arise from tubes being shifted on Scales – also to procure a Brand to number the instruments tested by him both of which requisitions were agreed to by the Council. It was stated ~~that Mr~~ by Mr. Wilson ~~that Sir John S Forbes had accompanied him to the Normal School Car. Terrace~~ he had had a consultation with the Rector & Mathematical Lecturer of the Normal School (E.C.) & that these gentlemen had

expressed their willingness to forward the aims of the Soc. by endeavouring to diffuse a general interest in Meteorology through the Teachers also by instituting a series of practical instruction in that Branch of Science. ~~Mr Milne Home~~ The Chairman considered that the Council of the Normal School should be consulted on the matter & agreed to communicate with them in regard to it.

A communication to the Council by Dr Stark in reference to Prof. Smyth's Diurnal Range corrections was then laid before the Council along with a letter to the Secretary and a statement by Prof. Smyth. A letter from Prof. Smyth was read stating that the Registrar General had desired him to discontinue the use of those corrections. After some conversation it was agreed that Dr Stark should be thanked for his communication but that as the ~~Objects he~~ practice he complains of had been dropp'd it was considered unnecessary further to enter on the subject or to publish the paper & the more especially as the Society has no funds at its command for such publications.

Capt. Thomas suggested the advantage of taking hourly Observations on the 21st of each month as has been done by him in Harris for the last two years. Mr B. further referred to the recommendation of Sir John Herschell that hourly Obs. should be taken on the 21st of March, June Sep & Dec & urged the necessity of instituting along with this plan a series of continued observations at ~~some~~ central Station as a point of Reference.

It was agreed that the first Quarterly Report should embrace (1) Statement by Council. (2) Mr B's Tables of Range with remarks. (3) Remarks on Weather & List of Books.

A letter was read from Dr. Murray Forres offering observations: it was agreed that Obs should be thankfully received but that it should in such cases be stated that the publication of the Results depended on the Registrar General. Mr B. was instructed to write Dr. M. to that effect.

Mr. Burgess drew attention to the unsatisfactory ~~character of the~~ ~~[illegible]~~ position of the Meteor. instruments at Edin. (Melbourne Place) & also to the defect of the leather bag cistern in Barometer as a standard ~~for the Society~~.

On the subject of the Edin. Obs. the following members of Council were appointed a Committee to examine into the subject: The Chairman, Mr Stevenson, Capt. Thomas, Mr Stephen, Mr Johnston

The above draft is imperfect owing to the list of items having been sent to Mr. Gibson. AB.

Meeting of Council 23 Decr 1859 -

Present -
Mr. Milne Home - in the Chair -
Dr. Mitchell -
Mr. Johnston -
Mr. Strong -
Dr. Coldstream -
Mr. Miller -

The Meteorological Secretary -
The Treasurer -

The Minutes of last Meeting, held on 13th current, were read and found correct -

Apparatus for testing Thermometers had been ordered, but was not yet ready - Stamp has been procured.

The Chairman reported his having written to the Secretary of the Education Committee of the Church of Scotland as to the introduction of Meteorological Science as a part of the curriculum of Instruction in the Normal Schools of the Church, and read a letter in answer, from the Secretary, intimating that the Committee acceded to the Council's request, and ~~that~~ Instruments, if not supplied by Government, would be purchased by the Committee - It was hoped ~~that~~ the Committee's accession applied to the Normal School in Glasgow as well as to that in Edinburgh - and it was agreed that the ~~parties who~~ Education Committee of the Free Church, and any other parties who had control over Normal Schools, should be applied

to

to further cooperation in the same way as had been agreed to by the Established Church's Committee –

Mr. Strong submitted a Form of Receipt, which he had prepared, to be granted by parties receiving instruments in loan. It is in the following terms. (Copied in.) The Form was approved and adopted, and thanks were returned to Mr. Strong –

The Quarterly Report about to be issued was submitted, and, after a lengthened conversation, approved. Directions were given for the completion of the printing of it, and for a list of the Members of the Society, and of their Subscriptions, being appended to it.

Meetg for Tuesday 3 Jany, at 2 –

It was agreed on that the Council should be called together again for 3d. proxo., at 2 o'clock –

Meeting of Council - 3d. January 1860 -

Present -
Mr. Milne Home - in the Chair -
The Marquis of Tweeddale -
Mr. Stephens -
Mr. Stevenson -
Dr. Seller -
Mr. Alexander of Thurston -
Mr. Richard Hunter -
Dr. Mitchell - Mr. Johnston -
The Meteorological Secretary -
The Treasurer -

The Minutes of last Meeting, held on 23d. ulto., were read and found correct -

The Quarterly Report was finally submitted and approved - and it was decided that 300 Copies in addition to those required for Members of the Society and Observers, should be printed for circulation among parties who might be expected to become Members -

It was agreed that the following ~~[illegible]~~ members of Council should be ~~[illegible]~~ suggested to the Half Yearly Meeting about to be held as those who should go out in rotation, viz. -
Professor Rogers -
Mr. Stony -
Mr. Swan -
and the following were thought eligible for election in their places, if they should be willing to act -
Mr. Richard Hunter -
Mr. James Cunningham -
Mr. Leslie, Civil Engineer -

On the suggestion of the Marquis of Tweeddale, it was decided that, in cases where Members of the Society had Stations on their Property, they should be made aware, as well as the Observer, of any ground for complaint on the part of the Meteorological Secretary, of unsatisfactory Returns.—

It was agreed that the Half Yearly Meeting should be held on 19th curr.t, at 12 o'clock, in the George Street Hall, and that it should be advertized in the same way as had been usual.—

It was also agreed that Government Instruments should be sent to the Observer at Kirkpatrick Juxta and Barry — they to grant Receipts in the form adopted at last Meeting.—

The Marquis of Tweeddale mentioned the grounds he had for expecting that if the Prizes he had offered were duly Competed for, the interest of the Tenantry of Scotland in the objects of the Society would be greatly increased, and a corresponding accession of Members be secured.—

Meeting of Council, in Society's Chambers - 24 January 1860 -

Present -
Mr. Milne Home - in the Chair -
Mr. Stephens -
Dr. Coldstream -
Mr. Richard Hunter -
Mr. Cunningham -
Mr. Leslie -
Dr. Mitchell -
Mr. Stevenson -
Capt. Thomas - Mr. Russell -
Mr. Burgess -
Mr. Gibson -

The Minutes of last Meeting, held on 3d. curt., were read and found correct -

A conversation took place on the subject of the best means of adding to the number of Members of the Society - and it was ultimately agreed on that the Treasurer should ~~procure~~ circulate a copy of the P.O. Directory among the Members of Council, that each might select, and mark, the names of Gentlemen whom he might think likely to become Members, on considering the first Quarterly Report and the Proceedings at the Half yearly Meeting as reported in the Courant Newspaper, 100 Copies of which had been procured for circulation in some such way as that now decided on -

Mr. Burgess read to the Meeting a Report which he had prepared on the means of improving the Observations taken for the Society, which gave

rise

rise to a lengthened conversation, in which various Members of Council took part — Mr. Milne Home agreed to communicate with Professor Forbes and Mr. Piazzi Smyth on the matters discussed, and to report the result at next Meeting —

Mr. Burgess to procure, before next Meeting of Council, a form of Box, for the use of Observers, to contain the ~~Instruments~~ thermometers in use, with a view to considering of supplying each Observer with a Box ~~of~~ uniform dimensions and form with those in use at the other Stations of the Society —

A Set of Instruments to be sent to Mr. Archd. Macdonald, Postmaster, Iona, as a new Observer, so soon as conveyance by steamer could be procured, as to which Mr. Burgess to correspond with Mr. Macdonald — A Set to be sent, also, to The Revd. Mr. Nicol, Minister of Walls, Shetland — and also a Barometer to Mr. Lothian, Campbelton, Argyleshire — All these parties to grant Receipt in the Society's form —

~~It was agreed on that the next point to be taken up by Mr. Burgess, with a view to next Quarterly Report, should be~~

Mr Burgess was requested to prepare Report on the various stations ~~of Home Stations~~ of the Society from which he considers that trustworthy observations are not received, and the amount of error attaching to each.

The Meeting was adjourned to Tues[day] next, at ~~2~~ two o'clock, P.M.

31 Jany. 1860.

Present; Mr Milne Home in Chair
Mr Stephen
Mr Milbr
Mr Cunningham
Capt Stotherd
Capt Thomas
Mr Johnston
Dr Mitchell
Dr Coldstream
Mr Stevenson
Mr Leslie
Mr Russell
Dr Seller The Meteorological Secretary.

The Minutes of last Meeting, on 24 curt., were read & found correct.

Mr Milne Home stated that as agreed on at last meeting a P.O. Directory had been sent to him & that he had forwarded it for further selection of names to Mr Stephens

Mr Burgess read a paper in which he endeavoured to show that from various causes the printed Returns of the Society were for ~~the~~ a majority of Stations not trustworthy. A detailed Report had also been drawn up by Mr Burgess but not read

It was agreed that a Committee consisting of Mr. M. Home Mr. Stevenson Mr. Leslie & Mr. Russell should meet on Friday to examine the details of Mr. Burgess Report. Mr. Burgess was directed to draw up Tables of Extreme Range of Temperature for the years 1856-7-8. And some sort of Table of Crops for the half year ending Dec. 1859 similar to that drawn up by him in July 1859. Capt. Thomas proposed that Schedules for Term-day Observations should be issued to Observers. Mr. Milne Home thought it might be well to print a Specimen in full; and that Capt. Thomas should issue a letter on the subject. this was agreed to by Capt. Thomas McCormick

Meeting of Sub-Committee of Council, appointed on 31 January 1860 -
3 February 1860 -

Present -
Mr Milne Home - in the Chair -
Mr Russell -
Mr Stevenson -
Mr Leslie -
Mr Burgess -
Mr Gibson -

~~Mr Burgess exhibited a Drawing of a Box for containing the Instruments used by the Society's Observers in a form suggested by him -~~

The Meeting took under consideration Mr Burgess's Report, in minute detail - and the result, as applicable to each of the Stations embraced in the Report, will be found, in a Tabular form, at the end of this Minute - The Meeting also embraced under their consideration the improvements of which some of the Instruments in use by the Society's Observers seemed to be susceptible, including that of the Box for containing them, and the proper position for it - Mr Burgess was desired to have a specimen Box, with Venetian Blinds, made by Messrs Bryden, George Street, to be submitted to next Meeting of ~~this Sub Committee~~ Council -

The Meeting agreed to recommend that at those Stations where the Instruments are very faulty Mr Burgess should write to the Observers that they should send their Instruments to any Optician in Edinr, to be tested, and ~~repaired~~ corrected - and that, in the event of

This being agreed to, Mr. Burgess will send, on loan, a set of other Instruments to be used till their own should be returned –

Meeting of Council, 14 February 1860.

Present – Mr. Milne Home. in the Chair –
Mr. Stephens –
Mr. Leslie –
Mr. Cunningham –
Mr. Russell –
Dr. Seller –
Mr. Richard Hunter –
Mr. Stevenson –

Mr. Burgess –
Mr. Gibson –

The Minutes of last Meeting of Council, held on 31st. ulto., and also those of the Sub Committee then appointed, held on 3d. curt. were read, and found correct –

In terms of the directions given at the Meeting of the Sub Committee, a Specimen Box, with Venetian blinds, was submitted by Mr. Burgess – The Chairman undertook to order a Box to be made from the one now shewn, with alterations suggested. [illegible] –

Mr B was directed to have new schedules printed off to be submitted to next meeting of Council

A Committee was appointed to advise with Mr Burgess as to a revision of the Schedule issued to Observers. Mr ..., the Convener, Mr Stevenson, and Mr Russell — and the Committee were requested to give their early attention to the subject, that the revised Schedule might be issued forthwith, which powers were given to do.

Mr Core, Teacher of Science in the Edinburgh Normal School of the Church of Scotland, was introduced to the Meeting, and stated that he had received, yesterday, a Set of Instruments, sent by the Board of Trade, for use in the Normal School, toward instructing the Students in the Science of Meteorology as well as in the use of the Instruments, toward their being qualified, in after life, for acting as Observers for the Society. Mr Core mentioned that the Set sent to him appeared to be in part defective; but he was referred to the Secretary of the Church's Committee on Education, who had undertaken to purchase whatever Instruments should not be supplied by Government.

The Treasurer mentioned the arrangement he had made for Copies of the last Quarterly Report being left at the Houses of selected Parties, with a view to their being induced to join the Society.

Meeting of Council 8th March 1860
Present. — Mr Milne Home in the Chair
Mr Cockburn
Mr Stevenson
Mr Miller
Mr Leslie
Dr Coldstream

& Mr Burgess.

Mr Burgess stated that Mr Gibson was prevented from attending by a pressure of private Buisness; ~~he also read a note~~ and that Mr Stephens and Mr Cunningham had communicated apologies for unavoidable absence.

A Note on Term-day Observations ~~was re~~ by Capt Thomas was read by the Chairman & a draft for Schedule for these Obs. exhibited. Mr Burgess objected to any recommendation of Beaufort Wind Notation for Obs. on Land. The letter was directed to be brought up at next meeting.

The Chairman read the Instructions on the New Schedule that had been drawn up & several corrections and amendments were suggested by Members; ~~which~~ and Mr Burgess was directed to embody them in the Instructions. The Chairman read a letter from Adml FitzRoy in reference to the Coastguard Station also one from Dr Mitchell.

On the subject of the Box for protecting thermometers a New one made by Bryson was exhibited. ~~and the~~ Mr Stevenson proposed that he should draw a

Sketch of a new Box & submit it to the Council this was agreed to

Mr Burgess was directed to forward the Schedules as approved also to have Journals & Scroll Books for Observers made & forwarded with postage stamps to each

Mr Burgess read a short paper in which he proposed that the Society should encourage a collection of the Maxims of Weatherwisdom that obtain in Scotland whether of a general character or having particular ~~also any verified influence or that [illegible]~~ reference to localities or seasons as these occur in the experiences of individuals, Members of the Society or others; it was agreed however that the routine of the Society's business should be strictly adhered to in the meantime –

Meeting of Council – 26th March 1860 –

Present – Mr Milne Home – in the Chair –

Honble Lord Curriehill –

Dr Mitchell –

Mr Keith Johnston –

Mr Richard Hunter –

Mr Stevenson –

Mr Russell –

Captn Thomas –

Mr Burgess –

Mr Gibson –

The Minutes of last Meeting, held on 8th current, were read, and found correct –

Mr ~~Stevenson~~ Stevenson stated that absence in England had prevented his attending to the matter of the Box for Thermometers as he had hoped to do – After a conversation on the subject, it was remitted to the Chairman and Messrs Stevenson and Leslie to ~~consider it and report~~ give the necessary directions as to adopting the Thermometer Case — the model now exhibiting and having Boxes made after it –

Mr Burgess reported that the Schedules for the current year had been sent, in January and the present month, to all the Observers – as had also Postage Stamps – ~~He further explained how it had happened that an irregularity had occurred in the case of transmission to one of the Observers –~~

In consequence of Mr Burgess' having mentioned to Mr Milne Home that he understood that under the Engagement with him he was not bound, any more than he understood Mr Everett had thought himself to be, to devote more of his time than four hours p day for five days in the

week to the Business of the Society, reference was made to the written Terms of Engagement with him — He mentioned further, that he had not acted on this understanding, inasmuch as he had really devoted a much larger portion of his time than that mentioned to the Business of the Society — The ~~Chairman stated that his distinct understanding~~ Council was of opinion ~~had been~~ and, in the case of both Mr. Everett and Mr. Burgess, that each undertook to do whatever was necessary towards the efficient conduct of the Society's Business, and that it was evident that this ~~was~~ must be the terms of any Engagement such as that under consideration — After a full consideration of the subject, and discussion of it, Mr. Burgess was requested to ~~agreed to adopt for the future~~ act ~~the understanding~~ Answer ~~of~~ [illegible] ~~the engagement expressed by the Chairman~~, and to act ~~fully on it~~

Sir T. Mc. Barom.r — It having been mentioned that a very valuable Barometer which had belonged to the late Sir Thomas Macdougall Brisbane, and, it was understood, been used by him for many years, was for sale and could be procured for Ten pounds, the Treasurer was directed to purchase it at that sum, through Mr. Bryson, Optician —

Life Subscr.s — The Treasurer mentioned that Mr. Leslie C.E. and Capt. MacTaggart had tendered Each Five guineas, being five years' purchase of their Annual Subscriptions, as a Donation with a view to their admission as Life Members of the Society, and that he, acting on the Cases of Mr.   and Mr.   , had accepted payment accordingly — The Council approved of his having done so —

Tiree – & Mull — The Secretary read a letter from Mr McNichol Tyree intimating that an Observer might be secured in that Island were instruments supplied to him, and an intimation was made from Mr Colquhoun to the same effect in regard to the Island of Mull. The Secretary was directed to write to these two gentlemen thanking them for the interest they had taken in the matter & to state that the Council regretted that at present & in the circumstances they did not feel themselves at liberty to supply instruments.

~~Mull~~

~~Maximum~~ Therm. –

~~Ranges~~

Walls — A letter was read from the Rev. Mr Nichol of Walls, Zetland saying that he was willing to take Observations were instruments supplied to him. The Secretary stated that Mr Nichol was not aware of any peculiarities of climate that existed on the West of Zetland more than at Bressay or Yell. It was agreed that a set of Instruments should be sent; but not till a proper box ~~was~~ could be got ready.

~~Capt Maxwell~~ Letter –

A letter was read intimating the discontinuance of the Makerstoun Station.

Mr Clouston's Letter – — Letters of application for Instruments were read from Rev Mr Clouston & Mr Matheson E Yell. It was agreed that a Max & Min thermometer should be sent to Mr Matheson as also a Box. Mr Clouston being in a position to procure instruments of his own it was thought advisable to adhere in the mean time at least to the rule usually observed in such cases.

~~Registrar Genl. Report~~

Quarterly Report – — A proof of the Meteorological ~~Report~~ matter usually drawn up by the Secretary for the Quarterly Report was laid on the Table along with the M.S. of Tables of ~~Decem~~ extreme Temperatures for the years 1856-7-8.

Sub Committee – The Chairman, and Messrs Stevenson, Leslie and Russell, and Dr Mitchell and Mr Stephens were appointed a Sub-Committee for considering matters of detail, in the business of the Society, with a view to meetings of the Council being rendered less frequently requisite. Mr Milne Home to be Convener –

The Secretary intimated that Returns of the Term day Observations desired by the Council had been received for 21 March from Capt. Stotherd R.E. & Capt. Thomas R.N.

~~The Secretary was authorized to order a supply of Stationery & to have the Schedules for 1859 bound.~~

The Secretary stated that Admiral FitzRoy was engaged in investigating the character of the storms in October last & that he had sent down schedules to be filled from the Society's Returns, the Secretary having offered his services. The Chairman intimated that Mr Burgess should not let such engagements interfere with the business of the Society & suggested that a Government assistant from the Observatory was the proper person to be employed by Admiral FitzRoy. Mr Burgess said that with assistance he hoped to be able to overtake the work of copying.

Two register thermometers were laid before the Council from Mr Adie & Mr Hart, a rain gauge by Mr Burgess also two volumes that had been presented by Admiral FitzRoy.

The Secretary was authorised to order a supply of Stationery & to have the Schedules for 1859 sent to the Binder

The Secretary was directed to enter in the Tables which he had drawn up, the Returns for 1859 along with those for 1856.-7-8

Mr Burgess said he feared he had not now time to make such an alteration: the Objection was overruled.

Meeting of Council - 27th April 1860 -
10 St Andrew Square -

Present - Mr Milne Home - in the Chair -
Honble Lord Curriehill -
Mr Stevenson -
Mr Cunningham -
Mr Leslie -
Mr Dickson Hunter -
Mr Stephens -
Mr Keith Johnston -
Mr Burgess -
The Treasurer -

The Minutes of last Meeting, held on 26th March, were read, and found correct -

The Council took under consideration the Proof of the Quarterly Report to be dated December last - After a lengthened conversation, having reference, chiefly, to the great advantages derivable from

Observations, such as had been partially made by Admiral Fitzroy and others, on the progress of severe Storms, with a view to ascertaining whether their progress was either slow so that timely notice of the existence of a Storm in one locality might be, by means of the Electric Telegraph, communicated to other localities on the Coast especially. The Report was approved, and directions were given for its being issued as usual -

Mr. Burgess read an answer which he had prepared, as directed at last Meeting of Council, on the subject of the Amount of time to be devoted by him to the Business of the Society - Mr. Burgess having withdrawn, ~~[illegible]~~ requested, he ~~[illegible]~~ as left that paper with Mr. Gibson -

The Council having considered the Statement in Mr. Burgess' Paper, were of opinion that Mr. Burgess' Services as Meteorological Secretary should be discontinued on the lapse of the year of his Engagement, viz. on 1st July next, ~~and that~~ Mr. Burgess having been ~~[illegible]~~ the requisite Notice, ~~should be given to him by [illegible] to him this clause~~ The Chairman, at the request of the Council, did, accordingly, give Mr. Burgess the requisite Notice, accompanied by an expression of the regret of the Council that they could not avail themselves of a continuance of his services on the footing laid down by him in his paper, although they fully appreciated the ability and zeal ~~devoted by him~~ shewn by him in the performance of his duties - ~~[illegible]~~

The Committee appointed at last Meeting was requested to take all due steps toward having the vacancy in the Office of Meteorological Secretary filled up - And the same Committee was

requested to consider any Essays given in competition for the prizes offered by the Marquis of Tweeddale, and to report to the Council –

The Treasurer reported that, as directed at last Meeting, he had purchased the Barometer which had belonged to Sir Thomas Macdougall Brisbane, at the price then mentioned, £10 –

Mr. Burgess read a letter which he had received from Mr. Hepburn of Colquhalzie, and a form of letter which that Gentleman had addressed to friends of his own whom he thought likely to become Members of the Society – The cordial thanks of the Council to be expressed, by Mr. ~~Burgess~~ Hepburn, for his communication –

A conversation then took place on the practicability and advantage of telegraphing Storms; ~~In~~ the course of which Lord Curriehill mentioned that about 4 years ago he had observed a record in the newspapers of one case in which a vessel about to sail from Hull received a message from ~~Lloyd's~~ Bristol intimating that a Storm would overtake it if it put to sea and it was stated that this vessel by remaining in port in consequence of this message escaped the dangers of the Storm which passed Hull in great violence as had been announced ~~Mr. Hal~~ The Chairman thought that the facts stated by Lord Curriehill should not be allowed to escape

being taken advantage of as bearing on the present movement in favour of telegraphic communication:

The Chairman read the proof of some new pages in the Report about to be issued.

Mr Burgen laid before the Council two instruments, an Atmometer and Hygrometer, that had been presented by James Leslie Esq. C.E.

The Secretary was directed to submit any ~~new~~ new station schedules to Prof. Smyth, and to draw up a list of the Instruments belonging to the Society at present on loan to Observers also a statement of the ~~corrections~~ results of the comparisons of the Society's Standard Barometer by Newman with the other Barometers in the Office which he ~~had~~ mentioned he had recently made.

Committee of Council - 10 St. Andrew Square - 16th. May 1860 -

Present - Mr. Milne Home - in the Chair -
Mr. Stephens -
Mr. Leslie -

Mr. Burgess -
The Treasurer -

Mr. Burgess laid before the Meeting a Statement regarding the Barometer which had belonged to Sir Thomas M. Brisbane and been recently purchased for the Society - Mr Burgess stated that it appeared to him that air must have got admission to the tube in carriage from Makerstoun & that the error from that cause amounted to .025 inch

Mr. Burgess produced, also, a List of the Instruments belonging to the Society and at present on loan to the Society's Observers - Further, a Note of the Stations to which Double Louvre Boxes had been sent, and of those Stations in possession of Single Louvre Boxes -

There was laid on the table a Paper prepared by Mr. Thomas Stevenson. on improved form of Lind's Windgauge - and another by Dr. Mitchell, on a form of atmometer invented by him.

~~These Papers were remitted to the Chairman for his consideration and future report~~

There was, further, laid before the Meeting Remarks by the Astronomer Royal for Scotland on the Returns made by certain of the Society's Observers, and the discrepancies between them. The points were considered in detail, and inquiry was directed to be continued and the result reported to next Meeting.

A full set of the Society's Reports, so far as they were in the Society's possession, to be sent to the Secretary of the Smithsonian Institution. And Mr. Buchan stated that he had furnished a set, as far as he had them, to the Marquis of Bread:albane.

The Committee agreed that, if it could be done without interference with the Secretary's discharge of his duties, the use of the Society's Room should be allowed to Col. Shortrede, H.E.I.C.S., who had been introduced to Mr. Buchan by Mr. Thomas Stevenson, for certain Observations with a Thermometer he was desirous of taking.

An offer was submitted, made by Mr. James Tait, Kirkwall, to take Observations for the Society. Thanks to be returned to him, but intimation to be made that Observations were already furnished from Kirkwall. ~~An~~ An inquiry was also submitted, ~~from~~ in reference to how far the Council were disposed to encourage the establishment of a station at Kingussie. The Council considered that they would be disposed to recommend the publication of Returns from Kingussie

Books offered for purchase. ~~Two works forwarded by Messrs~~

Boxes - Form used at Kew - something like a dish a Meat Safe - Mr Glaisher's Form - Mr Adie's Form - An experiment to be made, with one of each of these forms, by placing them in the Garden in St Andrew Square, on the North side of the Melville Monument, to be continued there for a week at least, and Mr Burgess to take Observations not less than twice a day - A Box of the old Form was recommended to be sent to Iona -

The Committee then took under consideration what passed at last Meeting of the Council, on the subject of Mr Burgess' relation to the Society - After full consideration, Mr Burgess, who had retired, was recalled, and told that the Committee had agreed to report to the Council a recommendation that, if Mr Burgess should agree to certain additions to the terms of the Engagement with him, and to withdraw the Statement he had made before last Meeting of Council, a new Engagement might be entered into with him, for six months from the date of expiry of his Existing Engagement, trusting that he will zealously avoid any course of difference ~~between~~ with the Gentlemen to whom was entrusted the control of the Society's business - Mr Burgess expressed his ~~deep~~ sense of the forbearance shewn to him, and his determination, should he be continued in office as proposed, to leave no room for such ^ just reflections as ~~[illegible]~~ ~~[illegible]~~ he had ~~[illegible]~~ ~~[illegible]~~ incurred - He promised to consider

the proposed alterations in the terms of his engage:
:ment, and said he had no doubt of their being of ad:
:vantage to the business of the Society — In the
meantime the Committee agreed to take no steps
toward advertising for Candidates —

The ~~Commit~~ Committee were of
opinion that in next quarterly
Report should appear a Table
of the results of Observations of
Wind for last 4 years. the form
of the Table to be decided by the Chairman

Mr Burgess read a communication
from Professor Smyth ~~which~~ was
directed to be remitted to next Council
meeting. ~~Note~~ Copy of M. Le Verrier's
letter to Professor Airy which had
been presented by Prof Smyth was
laid on the Table

Meeting of Council 21st June 1860 –

Present – Mr Milne Home – in the Chair –
Mr Stephens –
Mr Johnston –

The Minutes of last Meeting of Council, held on 27th April last, and those of the Committee appointed on 26th March, were read, and found correct –

Mr Burgess exhibited the plunger he had had prepared, for testing Thermometers, and it was agreed on that it should be exhibited to the General Meeting about to be held – and that the Atmometer and Hygrometer presented by Mr Leslie and Sir Thos M. Brisbane's Barometer, should also be exhibited –

The Quarterly Report (in proof) about to be issued was taken under consideration, and finally revised – Directions were given for its issue as usual –

Bar for
Lonsd
[illegible]

The Treasurer laid on the table ~~[illegible]~~ the Financial Abstract of the Society's for the year ending as on June 1880, with the Vouchers thereof — These were remitted to the Chairman and Mr. Stephens, ______________ for examination and report to next Meeting of Council —

It was resolved that the Half Yearly General Meeting should be held on 27th inst., at * o'clock in the Highland Society's Museum ~~immediately after the Meet of the [illegible]~~ *at 3 P.M. and that the Marquess of Tweeddale should receive special notice of the Meeting, with an expression of the Council's hope that he could be present and would take the Chair, as President of the Society — The Meeting to be advertised in the N. B. Advertiser and the other News: paper published on Saturday — The business to be mentioned in the Advertisement as follows — 1st Report by Council on proceedings of last ½ Year — 2d. Award of Prize ~~[illegible]~~ for the best Essay ~~on~~ Pamphlet ~~given in for 1st~~ Prize offered by the Marquess of Tweeddale. 3d. ~~Financial Abstract~~ Exhibition and Explanation of ~~new~~ Instruments &c.

The Chairman submitted a letter from Mr. Cosmo Innes, relative to the Society's reorganizing, and affiliating with,

a party at Forres who were about to establish Meteoro-:logical Observations there. The Chairman was requested ~~Mr Buchan was directed~~ to answer ~~ascertain the~~ ~~of~~ Mr Innes's Letter. ~~was answered, that the party referred to was one who had already been sending Returns to the Society~~.

A Letter from the Agent for the Duke of Roxburgh, as to a Station in the Cheviot District, which was laid before the meeting [?], Mr Gibson was directed to answer.

Meeting of Council at 10 St. Andrew Square, on 27th June 1860, at Noon.

Present. Mr Milne Home – in the Chair –
Mr Hunter –
Mr Johnston –
Mr Stevenson –
Mr Leslie –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting, held on 2d curt., were read, and found correct –
The Chairman laid before the Council the Report of the Committee appointed to find a Successor to Mr Burgess, and the Terms of Agreement now proposed to be entered into with Mr Burgess – The Report and Terms were approved by the Council, and agreed to by Mr Burgess.
The Report to be laid before the Half-Yearly General Meeting was submitted and approved – and arrangements were made for that Meeting –
The Chairman reported that he and Mr Stephens had as requested at last Meeting of Council, examined the Treasurer's Accounts ~~and Vouchers~~, and found them correctly stated and satisfactorily vouched –

Meeting of Sub-Committee, in Society's Chambers, 10 Feby 1860-

Present - My Lord Tweeddale, President of the Society -
Mr. Milne Home - in the Chair -
Mr. Johnston -

The Meteorological Secretary -
The Treasurer -

The question as to printing Mr. Jamieson's Prize Essay was considered - It was agreed that Mr. Jamieson should be requested, with such suggestions as the Council might offer to him, to condense his Essay, with a view to it's being printed, for the use of the Society and for publication - From an Estimate which had been furnished by the Printer generally employed by the Society, it appeared that the Essay ~~[illegible]~~ as it stands, could be printed, and 500 Copies furnished, for about £11 -, or 1000 Copies for about £14.15/- The Meeting agreed that Ten pounds should be applied, if needful, toward the printing and publishing of the Essay, on condition that not fewer than three hundred Copies should be at the command of the Society - and the Chairman was requested, and agreed, to correspond with Mr. Jamieson, and arrange with him as to him, the Chairman, might seem best -

10 July 1860 -

The other ~~subject~~ matter for which the Meeting had been called was then taken up, viz^t., the subject to which the Meteorological Secretary's attention should next be directed - It was agreed on the matter of Rainfall should be that next taken up by him - for the next Quarterly Report -

The Society's Reports, from 1857 downwards, were directed to be sent to the Royal Society, through Professor Forbes, who had written to the Chairman expressing regret that since the year mentioned, no copies had been received. And copies of the present and coming Quarterly Reports to be sent to Sir Alexander Milne, and to Professor Everett, Windsor, Nova Scotia.

Meeting of Council, held within the Society's Chambers on 3rd September 1860

Present -
The Honble Lord Curriehill -
Mr. Leslie -
Dr. Seller -

The Meteorological Secretary -
The Treasurer -

× Lord Curriehill was requested to take the Chair -

The Minutes of last Meeting of Council, held on 27th June last, and of last Meeting of the Sub Committee held on 10th July last, were read - and Mr. Burgess reported that the matters noticed in these Minutes had all been duly attended to -

× The Treasurer mentioned that he had called the present Meeting (though he had reason to believe that the Convener had not yet returned from the Continent) at the request of the Meteorological Secretary, on account of the near approach of the time when it had been usual to issue the Quarterly Report for the Quarter ending on 30th June last - The Meeting approved of their having been called together, and trusted to their receiving the sanction of ~~the~~ a fuller Meeting of the Council for whatever they might agree upon ~~in~~ ~~the~~ toward obviating inconvenient delay in the issuing of the Quarterly Report -

Mr. Burgess read over the Paper which he had prepared, as directed, ~~for~~ on ~~the~~ Rainfall in Scotland - and submitted a Table he had constructed illustrative of the subject -

The Meeting, looking to the limited number present, and especially in absence of the Convener, thought that best course was to remit the Dft Report to the Sub-Committee ~~in the hope that the Convener might have returned to Scotland before the Report behoved to be issued — but whether he might return or not with~~

that they might take all due steps toward a timeous issue of it —

Mr Burgess laid on the table the following Donations of Books which he had received since last Meeting:—

[Magnetical and] Meteorological ~~and~~ Observations made at St Helena, 1844-1849 —

Proceedings of the Literary and Philosophical Society of Liverpool during the 49th Session, 1859-60 —

A ~~Three~~ Pamphlets from Principal Forbes, St Andrews — [and other two]

Thanks were directed to be returned to the Donors, and interchange of Reports to be proposed to the Literary and Philosophical Society of Liverpool —

Meeting of Council, within the Society's Chambers on 17th. October 1860 -

Present -

Mr. Milne Home - in the Chair -

Mr. Cunningham -

Mr. Stephens -

Dr. Mitchell -

The Meteorological Secretary -

The Treasurer -

The Minutes of last Meeting, held on 3d. ulto., were read.

The Amount of Arrears of Subscriptions outstanding was again considered, and a fresh Circular was directed to be issued to the Members in arrear, in which the usual modes of remitting small sums shd. be mentioned -

The Subject to be specially treated in next Quarterly Report was taken up, when it was agreed on that the Humidity of the Atmosphere in Scotland should be ~~taken up~~ the subject.

a Donation of pamphlets from Admiral FitzRoy was laid before the Council

Dr. Mitchell's Paper on the Atmometer and Mr. Forbes of Culloden's on the Eclipse in July 1860, to be published with next Quarterly Report —

Books presented —

Meeting of Council, within the Society's Chambers, on 12th December 1860 –

Present – Mr. Milne Home – in the Chair –
The Marquis of Tweeddale, President of the Society –
Mr. Stevenson –
Mr. Stephens –
Mr. Leslie –
Dr. Coldstream –
Mr. Johnston –
Mr. Cockburn –
Mr. Richard Hunter –
Dr. Mitchell –
Captn. Thomas –
Dr. Seller –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting of Council, held on 11th October last, were read, and found correct –

A communication from Mr. G. J. Symon, of London, dated 29th November 1860, was read, when it was resolved that Mr. Symon should be left to correspond with the Society's Observers individually, if he should see fit, as a preferable means of attaining his object, ~~than~~ to the Society's taking up the subject, as a Society – Mr. Burgess was directed to intimate to Mr. Symon accordingly –

Mr. Burgess read a Memorandum he had, at the request of the Chairman, prepared, on the progress of

progress of the Society during the last six months. This Memorandum, and relative communications, from Mr. Piazzi Smyth & others, were remitted, on the Chairman's suggestion, to himself and Messrs. Stevenson, Stephens and Leslie, that they might consider whether any, & what, parts of them might be inserted in the Quarterly Report about to be issued. The final adjustment of the Quarterly Report, and also the arrangements for the Half Yearly General Meeting in January next, were remitted to the same Committee.

The Marquis of Tweeddale intimates that Major Hay, Linden Lodge, desires to be admitted a Member of the Society, and he was cordially admitted accordingly.

The Treasurer requested the attention of the Council to a Bust in plaster, of the late Sir Thomas MacDougall Brisbane, which was in the room, and the Council's acceptance of it, if they deemed the likeness, and the execution, worthy of so distinguished a Man of Science. The Council accepted the Bust, and their thanks were expressed to the Treasurer for the gift of it.

The subject of the Secretaryship was then taken up, and Mr. Burgess left the room. The Chairman stated the grounds on which he thought it deserved consideration whether a change might not be made, with advantage to the Society, in the person holding the office. ~~as to the Candidates for the Office, who had been recommended to him, and produced testimonials they had been favored by various Members of the Council. He also mentioned that these Candidates had been met with this morning, by the Marquis of Tweeddale and several Members of the Council, and that [illegible] one of the Candidates, Mr. Anderson, seemed to be fittest to [illegible]~~

a

[redacted] After con:sideration [discussing] of the whole subject it was agreed to adjourn this Meeting till Friday next, at One P.M., of which due Notice was directed to be given—

Adjourned Meeting of Council, in the Society's Chambers, on 14th December 1860 —

Present — Mr Milne Home — in the Chair —
Mr Stevenson —
Mr Leslie —
Mr Stephens —
Dr Allen —
Mr Richard Hunter —
Mr Cunningham —
Mr Johnston —

Mr Burgess —
Mr Gibson —

The Minutes of the Meeting holden 12th curt. were read and adjusted —

The Chairman stated that Mr Burgess (who had previously left the room) had called for him and mentioned that he had prepared a statement which he was anxious to submit to the Council at their adjourned Meeting of this day, and he proposed that Mr Burgess should be called in and ~~[illegible]~~ that the Council should hear his proposed statement — This was ~~accordingly~~ agreed to, and Mr Burgess was called in, and read his statement, ~~accordingly~~ — The discussion of the subject was then resumed, when the Chairman moved that notice should

be

given to Mr. Burgess that as the period of his existing engagement would expire on First January next, the Council did not consider it, on the whole, to be for the interest of the Society that it should be renewed — and that he must hold it to be terminated as at that date, accordingly — Mr. Stephens seconded the Chairman's motion — which was agreed to — Mr. Burgess was then called in, and intimation was made to him accordingly —

The Chairman submitted a Draft Advertisement of Prizes which the Marquis of Tweeddale has agreed to offer for Observations with the Maximum and Minimum Thermometers, which the Council authorized to be inserted in the following Newspapers, viz;

The N. B. Advertiser —
The N. B. Agriculturist —
The E. E. Courant —
The Scotsman —
three times in each paper —

It was resolved that the Half yearly General Meeting should be held on 16th January next at half past two o'clock or immediately after the Meeting of the Highland & Agricultural Society, ~~on or about half past two o'clock~~ — and in their new Museum —

The Chairman stated that a communication had been received from Mr. Mathewson, the Society's Observer at East Yell, Zetland, to the effect that arrangements were in the course of being made for having Observations carried on in the Faroe Islands with the Barometer, Thermometers, and Hygrometer.

Meeting of the Council in the Society's Chamber on 21st December 1860 –

Present Mr. Stevenson –
Mr. Richard Hunter –
Dr. Keller –
Mr. Leslie –
Mr. Cunningham –
Dr. Coldstream –
Mr. Johnston –
The Meteorological Secretary –
The Treasurer –

In the absence of the Convener, who was pre: :vented from attending, Mr. Stevenson was called to the Chair –

The Minutes of ~~the two~~ last Meeting[s] were not read, owing to the Dft. Minute Book not being on the table –

A Letter from the Convener, dated curt:, was read, having reference, inter alia, to the arrange: :ments which would fall to be made in consequence of the change in the Meteorological Secretaryship.

Vizt. Messrs. Stevenson, Hunter, Leslie, and Johnston –

The following Committee was appointed, for the purpose of making the necessary arrangements, and the Convener's Letter was remitted to it, Mr. Stevenson to be Convener of the Committee –

Mr. Hunter moved that Mr. Alexander Buchan, Teacher of the Free Church School, Dunblane, who was a Candidate for the Office, and had been seen by a good many of the Members of the Council, as well as by the President of the Society, should

be

about to be held,

be recommended to the Staff Yearly General Meeting of the Society, for the Office of Meteorological Secretary, which motion was seconded by Mr. Leslie, and agreed to.

Some conversation took place regarding the vacancies in the Council which would require to be filled by the General Meeting to be held on 10th proxo., when it was agreed on that the name of Mr. Robert Leslie, a Member of the Society, should, among others, be suggested for election.

Meeting of Committee named, at Meeting of Council on 21st. December 1860, for making arrangements in the change of Meteorological Secretary held in the Society's Chamber on 28th. December 1860 –

Present – Mr. Fleyter –
Mr. Leslie –
Mr. Johnston –
Mr. Stevenson –
Mr. Burgess –
Mr. Buchan –
The Treasurer –

Mr. Stevenson in the Chair –

Mr. Milne Home's letter which had been remitted, along with that part of the Minutes of last Meeting of Council, was taken up, and Mr. Burgess laid on the table the list of Instruments &c. which had been handed over to him by Mr. Everett, and one which he had prepared including all which had been added since his appointment – These were handed over to the care of Mr. Buchan – As Mr. Burgess, owing to the alarming illness of his Father, was obliged to leave Town for Dumfries this afternoon, he undertook, on his return to Town, which he expected to take place in the course of next week, to give every information and assistance in his power to Mr. Buchan, towards his initiation in the duties of the Meteorological Secretaryship.

Insurance

Meeting of Council, in the Society's Chambers, on 9th January 1861 –

Present –
Mr Milne Home – in the Chair –
Mr Miller –
Dr Seller –
Mr Stephens –
Mr Cunningham –
Mr Cockburn –
Mr Leslie –
~~Dr Leslie~~
Mr Johnston –

The Meteorological Secretary –
The Treasurer –

The Minutes of the Meetings of the Council held on ~~20th~~ 18th and 20th ultmo, were read and found correct –

The Treasurer stated that, as intimated in the Billets, this Meeting was held for the purpose of making arrangements for the Half-yearly General Meeting to be held on 16th curt. –

The Treasurer was authorized to insure the Society's Instruments against Fire, to the extent of One hundred pounds, in the Scot. or some other established Office –

It was remitted to the Chairman and the Treasurer to communicate with the following Gentlemen with a view to their consenting to join the Council, in room of ~~those following~~ Gentlemen who fall ~~to go~~ out ~~by rotation~~; ~~Viz~~ Viz. Sir Thomas Buchan Hepburn, Sir William Jardine, Mr. Russell, Mr. Hunter of Thurston, and Dr. Coldstream (who go out by rotation) – Viz. – Mr. Hope, Fenton Barns, Professor +

+ Balfour, Major Hay, Mr. Robert Leslie, and Mr. Thomas Cove, Normal School, Castle Terrace –

The Meeting nominated Mr. Cockburn, Mr. Stevenson, and Mr. Johnston, as a Committee to prepare a Circular, with a view to it's being issued among parties who might be thought likely to join the Society, ~~Viz.~~ ~~Sir Thomas Buchan Hepburn~~

Marquis of Tweeddale's Prize –

The Chairman stated that ~~that~~ inquiries had been made by various parties who thought of competing for the Prize now offered by The Marquis of Tweeddale, as to the details of the Conditions to be observed by Competitors, and he submitted to the Meeting a Paper which he had prepared on the subject, which, he suggested, might be remitted to

Mr. Stevenson and himself, as a
Committee for consideration and report to next
Meeting of Council. Agreed to.

The Chairman was requested to write
to The Marquis of Tweeddale requesting spe-
cially his attendance at the General Meeting
on the 10th, and presiding over it.

It was agreed that the subject to be
taken up by the Meteorological Secretary for next Quarterly Report should
be the Barometer.

Mr. Johnston suggested that the Meteoro-
logical Secretary might be instructed to collect
from Scientific Records and any other sources,
the particulars of the Extremes of Temperature
in Britain and other European Countries.

Meeting of Council, in the High[illegible] & Society's Museum, on the [illegible] January 1861, at 2 P.M. –

Present – Mr Milne Home – in the Chair –
The Marquis of Tweeddale –
Lord Curriehill – ~~Mr Stephens~~
Mr Stephens –
Mr Cunninghame –
Mr Johnston –
Mr James Leslie –
Mr Miller –
Mr Russell –
Mr Richard Hunter –
Captn Thomas –
The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting, held on 9th January, were read, and found correct –

The Chairman submitted, Resolutions to be proposed to the General Meeting about to be held, which were approved –

It was agreed that next Quarterly Report should contain a notice of the recent severe Frost, and the Gentlemen present were requested, and agreed, to furnish any materials for such notice as they could –

The Meteorological Secretary referred to the great necessity of the Society's Observers adhering to the Rules as to uniformity in the hour of taking observations & recording them – and he was directed to urge these upon them –

SCOTTISH METEOROLOGICAL ASSOCIATION.

(*From the Scotsman of January* 18, 1861.)

THE half-yearly meeting of the subscribers to the Scottish Meteorological Association was held on Wednesday afternoon, in the New Hall of the Highland and Agricultural Society, George IV. Bridge. The Marquis of Tweeddale, President of the Association, occupied the chair.

Mr D. MILNE HOME of Wedderburne gave in the report of the Council, which was as follows :—

At the last general meeting in June the Marquis of Tweeddale's prize of £20 for the best essay on rainfall having been awarded to Mr T. F. Jameson, of Ellon, Aberdeenshire, a communication was made to that gentleman by the Council that if he wished to publish his essay the Council would be happy to contribute £10 towards the expense, on condition of receiving 300 copies for distribution among members of the Society. Mr Jameson having acceded to this arrangement, the essay was published, and copies were sent to members. The Council are happy to be able to state that the essay has created very general interest, and has been accepted by scientific men as an important contribution to meteorology.

Monthly returns from the Society's stations continue to be received at the Society's office with punctuality; and have undergone, when received, the examination by our secretary which is necessary to check inaccuracies. Inaccuracies which had escaped him have also been occasionally pointed out by Professor Piazzi Smyth, when discovered by him in classifying and reducing the observations for the Registrar-General. In reference to this matter, it is right that observers should be made aware of the power which is vested in Professor Piazzi Smyth to reject returns, if material errors have been pointed out by him, should similar errors be repeated in subsequent returns from the same stations. The Council find it necessary to advert to this point, because one or two observers have expressed themselves annoyed at being called on to explain anomalous entries in their returns. They seemed to consider that it was incumbent on the Council and on the Government officers to accept of the observations just as they appear in the schedules, without examination or inquiry; and some doubt also was indicated as to the possibility of a party residing in Edinburgh discovering errors in observations made at a distant station. In consequence of these views, the Council think it right to say that one of the chief duties of the Society's secretary is to examine every monthly return, so soon as received by him, with the view of discovering mistakes, should such have been made either in observing or in recording; and that if it occurs to him that such mistakes have been committed, it is his duty immediately to write for an explanation. It is hardly necessary for the Council to point out that the object of this examination and inquiry is to ensure as far as possible correctness. With regard to the means of discovering errors, these may be afforded by the return itself, if the observations show inexplicable or anomalous irregularities; or by the returns of adjoining stations, if they differ materially from the one which is suspected.

Since the last general meeting two quarterly reports have been issued under the sanction of the Council, and have been as usual circulated among members and observers. These reports contain, besides the abstracts of returns from stations, various other matters of meteorological interest. In the first place, there are tables to show the amount of rainfall at sixty-six places in Scotland, the quantity fallen being given for each month in the years 1858 and 1859, and the total of the year for each of the two previous years. Then there are tables of the humidity of the air at 37 stations, on the average of each month, for the last four years.

The tables now referred to, showing the rainfall and humidity of the air, have been computed and constructed by the Society's secretary. Members of the Council have also supplied some papers of interest. Mr Thomas Stevenson, C.E., has given a description of an anemometer to register the maximum force of the wind; Dr Mitchell, an instrument combining an evaporometer and a pluviometer; Captain Thomas has supplied some valuable observations on the temperature of the sea on the west coast of Scotland.

The Marquis of Tweeddale has again liberally come forward to offer a prize on a subject of meteorological interest. The observations made on the temperature of the atmosphere at all the Society's stations, and at most other places, are with thermometers either in the shade, or in the sun, and, in this last case, with blackened bulbs. In the former case the instruments indicate a more equable, and probably a lower, temperature than if exposed to the sun. In the latter case, owing to the powerful effect of black colour in both absorbing and radiating heat, extremes of heat and of cold are shown, which do not truly represent the temperature of the atmosphere. The object of the Marquis of Tweeddale's prize is to afford the means of approximating more nearly to the actual temperature of the air, by exposing thermometers to the influence of the sun and weather; and thus to supply better data than exist at present for showing the meteorological conditions which determine the profitable cultivation of ordinary farm crops. The prize offered is £5 for the best set of observations in each of the eight districts into which Scotland is divided by the Registrar-General.

The Council have to mention that a number of donations of books and periodicals have been received during the last half-year, and which form important additions to the Society's library. The Society is also indebted to Mr Stevenson, C.E., for a barometer invented by himself to register the greatest amount of fall or of rise in the mercurial column since the time of the last observation. A cast of the bust of the late Sir Thomas Macdougal Brisbane, distinguished as a soldier and a man of science, and also a zealous member of the Society, has been presented by our treasurer, Mr Gibson.

With regard to the present state of the Society, it may be noticed that the number of our stations is nearly the same as it was—viz., about fifty-four. Several stations have ceased to send returns, one of which was especially noted for its accuracy—viz., Mackerston, the residence of the late Sir Thomas M. Brisbane. Since his death the instruments have been removed. One of the most valuable of these—a large barometer, by Newman, of London, and used at Mackerston for twenty years as a standard instrument—has been purchased by the Council, and is now in the Society's office. The want of Mackerston as a station has been, to some extent, supplied by a new station in that district, established at the request of the Council by the Duke of Roxburghe. There are several other new stations in the north and west of Scotland, where they were much required.

As the term of Mr Burgess' engagement expired at 1st January, the Council had to appoint a new secretary, and after particular inquiries, they selected Mr Alexander Buchan, teacher, Dunblane, who, the Council hope, will be found well qualified for the office.

The finances of the Society fall to be reported on at the half-yearly general meeting in July. The Council, therefore, are not called upon just now to report upon them. They, however, cannot forbear to express regret that the number of the subscribers to the Society is not larger than it is, as there are many most useful investigations which could be entered on were there more funds at the command of the Council. They have authorised a small committee of their number, of which Mr John Cockburn is convener, to take steps to make the claims of the Society for public support better known.

Mr Milne Home added that the Council had agreed to recommend that the Marquis of Tweeddale should be re-elected President, and Sir John S. Forbes, Vice-President, of the Association for the ensuing two years.

The report, along with the recommendation of the Council as to the office-bearers, was unanimously adopted.

The CHAIRMAN begged to take that opportunity of conveying the thanks of the meeting to Mr Milne Home, as Chairman of the Council, for the clear, admirable, and most agreeable manner in which he uniformly brought the business both before the Council and the general meetings. (Applause.) The noble Marquis went on to say that, although he was unable to announce so large an addition to the membership of the Association during the past year as he could have wished, it had been joined by several very eligible and influential gentlemen; and he had no doubt that, when its objects became better and more generally understood, the intelligent people of Scotland would take as great an interest in those important and interesting subjects to the elucidation of which it was devoted, as was taken in similar societies by the

inhabitants of other countries in Europe, and especially by the people of the United States. (Hear.) He hoped that attempts would soon be made to popularise the science of meteorology in its practical bearings upon every-day life, and particularly upon agricultural pursuits, in the same way as, to a large extent, the science of chemistry, in its bearings upon these subjects, had been popularised. He did not profess to be a theorist either in chemistry or meteorology, but he might refer to a circumstance which happened to himself while in India, as showing, more by way of experiment than anything else, what might be effected by a knowledge of simple elementary laws. It was usually understood that potatoes could not be successfully grown at ordinary elevations in India on account of the intense heat of the climate. There was, however, a spot in lat. 13°, about 4000 feet above the level of the sea, where a gentleman had raised a crop of large size and excellent quality, and he (the Marquis) was twitted by that gentleman that he could not raise potatoes at a lower level. He selected a piece of ground only about ten feet above the level of the sea, and of the worst possible quality. He then pulverised a small portion of the soil, planted his potatoes, and sunk two pits, one at each side, which he got filled with water every evening. The water evaporated before the next night, and the potatoes felt themselves in something like their natural climate, and grew beautifully. When they were ready, the gentleman brought down his potatoes, and at a dinner party of thirty-six people dishes of the two kinds were handed round, when the company decided that those grown at the low level by him (the noble Marquis) were the best. (Applause.) It was also supposed that wheat could not be grown in India, but by draining and pulverising the land, just as he did at Yester, he had grown as fine wheat as could be produced in this country. All that he attended to was to sow the seed only about six weeks before the end of the monsoon, so that it should not be sufficiently advanced to have the bloom washed off during the rainy season. He believed that he could not have done that if he had not paid some little attention to meteorology. His Lordship next referred to the recent snow-storm in this country, and stated that having been in Edinburgh on the 17th, he heard of no depression of the barometer here, and went home without the slightest anticipation of the extraordinary fall of snow which took place on the night of the 18th. The barometer did fall, however, considerably on the 18th, but only about twelve hours before the snow-storm commenced—a period which was quite insufficient to enable the hill shepherds to collect their flocks, and place them in safety. But it so happened that the shepherds in his neighbourhood had collected their flocks, and had them all safe when the storm came on; and he afterwards found out that on the 17th, while he had been in Edinburgh, a number of the shepherds had met upon the hill-sides, and while some of them were congratulating themselves and the others upon the good weather which they had had for the past few days, some of the older and more experienced gave it as their decided opinion that before forty-eight hours they would have a very heavy snow-storm. On this opinion they all acted, and commenced collecting their sheep long before the barometer gave the slightest indication of the approaching change. These men were thus enabled, without any scientific apparatus, but simply by watching the aspect of the sky and the atmosphere, to foretel the extraordinary snow-storm of the present winter in sufficient time to save themselves and their flocks from the disastrous consequences to which they would otherwise have been exposed. He thought these natural observations ought to attract a much greater amount of attention than they had yet received, and as Dr Arthur Mitchell, as well as himself, were at present engaged in collecting such observations, for the purpose of being afterwards classified and systematised, he hoped that they would receive all possible assistance from their country friends in their inquiries. (Applause.) The chairman concluded by announcing that Professor Balfour had agreed, at the request of the Council, to read a paper before the Association.

Professor Balfour proceeded to read an interesting statement on the relations of Meteorology and Botany. After stating that this was a subject which had as yet received far too little attention from gardeners and practical botanists, he said that one of the difficulties to be encountered arose from the great discrepancies in the markings of thermometers, as might be seen in the comparative details lately published in the newspapers. These differences depended not merely upon actual differences in the temperature of the atmosphere, but also upon the mode in which the observations were taken, the elevation and position of the instruments, and the construction of the instruments themselves. He believed the Meteorological Society of Scotland had done great service already by inspecting, testing, and improving the instruments used. This part of the subject was illustrated by tables showing the differences in the maximum, minimum, and mean temperature, indicated by the same thermometers at different elevations. Professor Balfour proceeded with some observations on the amount of heat required by plants at different times, the varying temperature of the soil, and the loss of heat occasioned by irradiation and evaporation. By way of appendix, the Professor then proceeded to read an interesting paper drawn up, at his request, by Mr M'Nab, of the Royal Botanic Gardens, Edinburgh, showing the effects observed on shrubs and trees immediately after the unprecedented frost of the 23d, 24th, and 25th December last. Mr M'Nab began by saying that the storm commenced late on the evening of the 18th December, with a very heavy shower of hail, lasting for some time, which was succeeded by a quiet fall of snow which continued throughout the night. At daylight on the morning of the 19th of December, the snow was twelve inches in depth all over the garden. On the morning of the 20th of December, about five inches of extra snow had fallen. For ten days the snow lay more or less heavy on all the shrubs, many being weighed down and broken by it. In some instances we may account for the damage done by the action of the frost on the overbent branches, particularly where a rupture was caused by the weight of snow. Irish yews 10 and 12 feet high had their tops bent so as to touch the ground. When freed of their load they soon assumed their original upright form, which would not have been the case had they been long held in a bent position. On the morning of the 23d December, the thermometer indicated 25 degrees Fahrenheit. The day subsequently was clear and cold, and there was every appearance of a sharp frost. The following tables show the minimum temperature indicated every two hours by Adie's and Bryson's thermometers during the three nights referred to. The thermometers were each placed about four feet from the ground, and were freely exposed to the atmosphere :—

MR ADIE'S THERMOMETER.

	Dec. 23. Deg.	Dec. 24. Deg.	Dec. 25. Deg.
4 P.M.	13	9	7
6 "	10	4	3
8 "	8	3	0
10 "	6	3	—2
12 Midnight,	3	3	3
2 A.M.,	3	3	9
4 "	3	3	12
6 "	3	3	3
8 "	—2	3·5	—2
10 "	—5	2·5	—2

MR BRYSON'S THERMOMETER.

	Dec. 23. Deg.	Dec. 24. Deg.	Dec. 25. Deg.
4 P.M.	10	6	4
6 "	7	4	0
8 "	5	0	—3
10 "	3	0	—5
12 Midnight,	0	0	0
2 A.M.	0	0	6
4 "	0	0	9
6 "	0	0	0
8 "	—5	0·5	—5
10 "	—8	—5	—5

Professor Balfour explained that it had been found necessary to apply a correction to the indications of very low temperatures on both thermometers in order to bring them to the Kew standard. It was found that below zero Adie's thermometer indicated 1 deg. too high, while Bryson's indicated 2 deg. too low. After rectification, the lowest temperature indicated in the Botanic Gardens—namely, that which occurred at ten A.M. on Monday the 24th December—was, according to the Kew standard, 6 deg. below zero. After the

observations recording them – and he was directed to urge these upon them –

intense frost gave way (continued Mr M'Nab) we, fortunately for vegetation, experienced rather dull weather, with comparatively few glimpses of sunshine. The damage done to vegetation, however, is very great, and is daily becoming more observable; but months must elapse before we shall be able to detail the entire loss. The first plants on which the effects of the frost became visible were the *Acuba japonica*, and the several varieties of *Laurustinus*. The leaves of the former (specimens of which, as well as leaves and branches of several other shrubs, were exhibited by Professor Balfour) became totally black, with the exception of those which were covered with snow round the bottom of the plants, while the leaves of the *Laurustinus* became brown. During the thaw the latter emitted a very strong and disagreeable cat-like odour—the smell not being perceptible so long as they remained in the frozen condition. The next shrubs which showed the effects of the frost were the bay or cherry laurel, the Portugal laurel, and the *Laurus nobilis*, or Sinus bay. The last seems to be entirely destroyed, the centres of the young shoots being quite brown. The bay laurels in all situations and exposures have a uniform brown hue; the Portugal laurels, in some situations, have all their leaves perfectly black, while in other situations portions only of large plants were in this condition. After mentioning a number of other shrubs and plants—particularly hollies, rhododendrons, evergreen oaks, and several of the coniferæ—which had all suffered more or less injury, the statement went on to say—Another peculiarity observable during the late frosts was the splitting of the wood and bark of several shrubs and trees. Some of the Portugal laurels had rents fully half-an-inch wide, extending from eight to ten feet along their stems, but when the thaw took place, the fissures instantly closed. Similar splittings were observed in the stems of the American lime, sweet chesnuts, walnuts, and sycamores. Professor Balfour entered into some interesting details regarding these frost-splittings, which, he said, had received special attention from Dr Robert Carfray and others. After some remarks upon the effects of previous frosts upon the trees and plants in the Botanic Garden, Mr M'Nab's paper closed with the following table showing the minimum temperature indicated by Bryson's thermometer (rectified as formerly explained), during the nights from the 14th December 1860 to the 14th January 1861, both inclusive:—

	Deg.		Deg.
December 14	29	December 30	25
" 15	30	" 31	32
" 16	33	January 1	32
" 17	31	" 2	20
" 18	30	" 3	15
" 19	27	" 4	8
" 20	28	" 5	8
" 21	24	" 6	16
" 22	18	" 7	19
" 23	25	" 8	5½
" 24	—6	" 9	18
" 25	1½	" 10	32
" 26	—3	" 11	30
" 27	5	" 12	36
" 28	4	" 13	28
" 29	14	" 14	25

The CHAIRMAN proposed a vote of thanks to Professor Balfour for the exceedingly interesting information which he had laid before the meeting, and expressed a hope that the learned Professor would allow it to be given to them in a more permanent shape. (Applause.)

The CHAIRMAN then said there were a number of persons throughout the country to whom—though they never appeared at the meetings of the Association, and were only heard of by the secretary producing their observations—all the members of the Society were under very great obligations. He referred to the observers at their various stations throughout the country, and begged to move that the thanks of the Society be given to them for their valuable and gratuitous services. (Applause.)

Mr MILNE HOME begged, on the part of the Council, to express their obligations to Professor Balfour for the interesting paper which, at their request, he had prepared and read; and he trusted that the suggestion of the noble President would be acceded to, and that this paper would be placed in the hands of the Council in order to be printed, and the valuable information which it contained disseminated throughout the country. (Hear, hear.) He also begged to announce that at the Council meeting held that morning the Council had resolved that the Meteorological Secretary should proceed to investigate into the effects of the recent frost over Scotland. (Applause.) He hoped that persons who had observed anything peculiar in their various localities would communicate with the secretary, Mr Buchan. He had found that all parts of the country had been affected more or less by that cold, but not in anything like an equal degree. Low-lying parts of the country seemed to have experienced the cold in considerably greater intensity than the more elevated districts. In East-Lothian, their two lowest stations—Smeaton and East-Linton—had temperatures down to —5° and —6°, while at the most elevated—Yester and Thurston—the thermometer never fell below zero. The same principle was shown in an equally or even more remarkable way in Dumfrie-shire. In the lower parts of the county, the thermometers went below zero; but at the Wanlockhead station, which was 1333 feet above the level of the sea, the lowest marking was *plus* 6. That seemed to corroborate what Professor Balfour had stated, that, within certain limits, at night, the higher the station, the higher the temperature. The greatest degree of cold observed throughout the whole kingdom had as usual been at Nottingham, which both lay low and was far from the sea. The lowest temperature observed there was 8·3 deg. below zero four feet above the ground, and 13·8 deg. below zero upon the grass; and in that county on Christmas Day a cart-horse had been seen on the road with icicles three inches in length, and as thick as a man's three fingers, hanging at his nose. (Laughter.)

On the motion of Sir JOHN FORBES, a vote of thanks was passed to the Marquis of Tweeddale for presiding, and the meeting terminated.

METEOROLOGICAL OBSERVATIONS.

(*Extract from Registrar-General's Meteorological Report for December* 1860.)

The meteorological returns for six of the principal towns in Scotland, reduced and corrected, as heretofore, for instrumental errors only, give, for their mean position—*i.e.*, lat. 56° 12′ N., long 3° 44′ W., and height 140 feet above the sea-level, in the month of December 1860:—Mean barometric pressure, 29·712 inches, lower than the average for the same month in 1856-7-8-9 by 0·061 inch; barometric monthly range, 1·449 inch, less by 0·105 inch; thermometer, highest in month, 50°·0, lower by 4°·0; thermometer, lowest in month, 3°·9, lower by 18°·3; mean temperature, 34°·4, lower by 6°·0; mean daily range of temperature, 9°·8, greater by 1°·0; mean humidity, 88, greater by 3; rain and snow, number of days, 16, the same as the average; rain, and snow reduced to rain, depth in inches, 3·52, less by 0·91; wind, pressure on square foot, 1·00 lb., less by 1·36 lb.; wind, direction of, E. to W. as 8 to 5, and N. to S. as 4 to 6; the average of former years being, E. to W. as 3 to 12, and N. to S. as 4 to 9.

Hence we may deduce that the month of December 1860 has been nearly normal in mean barometric pressure, and with a small amount of barometric range; but that it has been most marked by abnormally low temperatures. The mean temperature being 6°·0 below the average, and 0°·5 below the same month in 1859, the coldest December recorded up to that period. The lowest thermometers for the month (for all the stations) has been as low as 3°·9; and at individual stations it has been —3°·0 at Glasgow, and —5°·0 at Paisley. The most moderate of the low temperatures was felt at Greenock, = 11°·0; and at Edinburgh, = 11°·3.

The mean humidity has been large, 3· greater than the average, and 1· greater than any other month in the year 1860.

The amount of wind has been less than half the usual quantity, and its direction chiefly SE.; showing a remarkable defalcation in the western element as compared with the average.

The mean amount of rain and snow, reduced to its equivalent of rain, has been rather less than the average, but still considerable in quantity. The greatest recorded quantity was at Aberdeen, = 5·60 inches, and the least = 1·25 inch, at Edinburgh.

Geol[ogical] Soc[iet]y — N. B. A. —

Pres[iden]t, as in last page L. J. i the Ch[air] and M. H. Nisbet of [illegible] — M. [illegible] Ja[me]s Anderson — M. [illegible] of [illegible] Sec[retar]y J. Forbes — J. D. Dalyfish —

Thanks to [illegible] — and, as proposed by [illegible] to Mr. Milne Home —

Thanks to Prof[esso]r B. and a wish that he w[oul]d give the benefit of [illegible] his remarks at [illegible] —

Chairm[an] prop[ose]d thanks to the Observers.

Mr. Milne Home seconded motion of thanks to Prof[esso]r B., and requested to know whether he w[oul]d give his MS. to the Council for publ[icatio]n — and he made remarks as to the temperature in different districts —

[illegible] to furnish [illegible] information as to Observ[atio]ns in India —

[illegible] remarks as to temperature at Calcutta and Recife — and as to the [illegible] between the two —

Thanks to Chair, prop[ose]d by [illegible] J. Forbes.

Meeting of Council, in Society's Chambers, on 14th February 1861, at 2 o'clock —

Present —
Mr. Milne Home — in the Chair —
Mr. Stephens —
Mr. Johnston —
Mr. Cuninghame —
Mr. James Leslie —
Mr. Robert Leslie —
Professor Balfour —
Mr. Richard Hunter —
Mr. Cox
Major Hay —
Mr. Miller —
Dr. Stark —

Meteorological Secretary —
Treasurer —

Minutes of last Meeting, held on 10th January, were read, and found correct —

The Chairman drew attention to the subject mentioned in the Minutes of last Meeting as to be taken up in next Quarterly Report, with relation to notices of the late frost — and substituted Tables in course of preparation by the Meteorological Secretary —

The Chairman also referred to uncertainty expressed by some parties who were desirous to compete for the Prize at present offered by The Marquis of Tweeddale, and suggested, in consequence, the expediency of prolonging the period during which Observations were to be made, and of making that period commence as from 1st April next — Both suggestions were agreed to, and fresh Advertisements were directed to be forthwith inserted in the same Newspapers as were used for the original Advertisement — and also in Papers published in Glasgow, Perth, Aberdeen, Inverness, Wick, & Kelso — Dumfries & Ayr —

Mr. Stephens submitted, on behalf of The Marquis of Tweeddale, a set of Observations which His Lordship was desirous to have made by parties competing for his Prize — These were considered by the Meeting and approved, and adopted for circulation among the Societies and Observers, and others ~~among parties~~ who might intimate their wish to compete —

3 copies [illegible] each Adml. Fitzroy —

The Chairman read an answer in answer to the Council's last letter mentioned a correspondence he had had with Admiral Fitzroy as to telegraphing of storms for expecting storms —

The Chairman further mentioned an offer by Mr. ~~Denniston~~ Brown, of Balloch Castle, ~~to establish~~, at his own expence, a Station at the point where the River Leven leaves Loch Lomond — His offer was accepted, on the footing of his defraying the whole Expence of Instruments &c. — ~~[illegible]~~ the Secretary was directed to intimate this and to thank him accordingly —

A conversation took place with regard to the Station at Taymouth, and the Chairman was requested, and

agreed to

agreed ~~to correspond~~ with The Marquis of Breadalbane on the subject.

The Chairman agreed to communicate with Mr Thomas Stevenson relative to a letter from Portree as to the future taking of Observations there.

The Treasurer was directed to have a Circular printed, for being sent to new Members of the Society, intimating their Election, and requesting to know the amount of Subscription they prefer paying. A Form for the Circular was approved.

Dr Scoresby Jackson was proposed, and admitted, a Member of the Society.

Mr James Leslie undertook to communicate with Mr Gale as to Observers at Loch Venachar, &c.

Mr Stephens, Mr Johnston, and Mr Thos Stevenson, and Mr Craig were appointed a Committee (Mr Stephens Convener) for preparing Notices, for the Newspapers, of the proceedings of the Council, &c, from time to time.

Meeting of Council, in the Society's Chambers, on 10th April 1861, at two o'clock—

Present—
Mr Milne Home — in the Chair—
Mr Stephens—
Dr Stiller—
Hon:ble Lord Curriehill—
Major Hay—
Mr Cox—
Mr Hope—
Mr Johnston—
Professor Balfour—

The Meteorological Secretary—
The Treasurer—

The Minutes of last Meeting held on 14th February were read, and found correct—

The Chairman stated that chief matter to be considered by the Meeting was the revision of the Proof of the Quarterly Report about to be issued a Copy of which he had directed to be sent to each Member of the Council— He suggested some corrections which were adopted, as was also a Draft Minute of the Council which the Chairman had prepared— said Minute to be prefixed to the Quarterly Report

11th April 1861 —

Piazzi Smyth — Station at Drumlanrig — The Chairman was requested to correspond with The Duke of Buccleuch as to the Instruments used at His Grace's Stations at Drumlanrig and Bowhill —

Mr. Walker, Castle Newe — A paper prepared by Mr. Walker was submitted by the Chairman, ~~who proposed that it should be inserted in the next Quarterly Report (to 31 March)~~. It ~~This~~ was agreed to that the subject (treated) ~~of~~ in the Paper should be considered in preparing the next Quarterly Report (to 31 March) —

Major Hay presented to the Society several Reports on the Proceedings of the Officers engaged in the Magnetic Survey of India, and thanks were returned to him —

Mr. Buchan was authorized to purchase a Copy of a Book on Meteorology by Dr. Ernst Erhard Schmid, Professor at Jena —

The Schedule for the Marquis of Tweeddale's Prize was submitted ~~in the~~ by the Chairman, ~~and approved~~ — He mentioned that the Schedule had been revised by The Marquis of Tweeddale, Mr. Stephens, Mr. Johnston and himself — It was approved by the Council —

Mr. Wynn Williams? Paper —

However, Guide to Science —

Meeting of Council, in the Society's Chambers, on 14th June 1861 –

Present –

Mr Milne Home – in the Chair –

Mr Stephens –

Mr Stevenson –

Dr Keller –

Major Hay –

Mr Core –

Mr James Leslie –

Mr Robert Leslie –

Mr Cockburn –

The Meteorological Secretary –

The Treasurer –

The Minutes of last Meeting were read, and found correct –

The Chairman reported that New Instruments had been placed, by the Duke of Buccleuch, at Drumlanrig and Bowhill –

The Chairman directed attention to Tables which had been prepared by Mr Buchan, and other materials for the Quarterly Report about to be issued – and arrangements were agreed on as to the contents and order of the Report – especially for the introduction of a Paper by Professor Swan, an old Member of the Council, ~~and~~ with a supplement to it by Mr Core, and a Paper by Mr Walker, Castlehowe, a Member of the Society, and one of its Observers – also

√ The Treasurer was directed to insert the Advertisement of the Half Yearly General Meeting in ~~The E. E. Advertiser~~ ~~and the other~~ News Papers published in Edinburgh ~~on Saturday first~~ in the beginning of the year.

The Treasurer mentioned that the following Gentlemen had intimated their wish to join the Society, since the issue of the Circular prepared by the Committee appointed on 9th January last, viz:—

		Ann. Subsc.
in	The Marquis of Breadalbane	£3. – . –
	The Reverend Lewis H. Irving, Falkirk	
in	Lord Neaves	1. 10. –
in	Mr Robinson, Moray Place	1. – . –
in	Lord Cowan	1. – . –
in	Mr John H. Hope, South Elphinston — Life Member — Donation £5. – . –	
in	Mr Cottenbry, Advocate	1. – . –
in	Mr Chalmers of Aldbar	1. – . –
in	Mr Blair of Blair	1. – . –
in	Mr George Lorimer, Builder	1. – . –
in	Sir George Macpherson Grant, of Ballindalloch	1. – . –
in	Mr Robert Napier, West Shandon	1. – . –
in	Mr Scarth of Binscarth, Orkney	1. – . –
in	Mr Maxwell of Munches	1. – . –
in	Mr Scott of Rodono	1. – . –
in	Mr Thomson of Balgowan	1. – . –
in	Mr Napier, Sheriff of Peeblesshire	1. – . –
	Sir William Mackenzie of Coul	1. – . –
	Mr James Rome, Glasgow	– . 5. –
	Mr Claud Muirhead, Heriot Row	1. – . –
	Mr Hugh Hamilton, Sundrum Cottage, Ayr	1. – . –
	Mr James Stewart Forbes, Charterhouse, Walthamstow	1. – . –
	Mr Edmonston of Buness, Shetland	1. – . –
	Mr J. Miller, Leslie, Fife	– . 10. –
	Mr Cameron of Lochiel	1. 1. –
	Mr Smollett of ~~Bonhill~~	1. – . –
	Mr Maclean of Ardgour (Son of the late Member)	1. 1. –

Mr. Mackintosh of Geddes £1.1.–
Mr. W. J. Peebles, Garnet Hill, Glasgow £–.5.–
Dr. Roebuck, Laverock Villas, Trinity –.5.–
and the Chairman proposed that they should, each, be admitted a Member – ~~They were~~ Each was admitted accordingly – The Treasurer exhibited Circulars which had been prepared by him for his acknowledging receipt of the Letter intimating a wish to join the Society, and the other intimating admission by the Council as Members –

Presence of President at Genl. Mtg. – The Chairman agreed to write to the President of the Society, expressing the Council's wish and hope for His Lordship's presence and presiding at the General Meeting on Wednesday – and the Treasurer was directed to write to Sir John Stuart Forbes, the Vice President, to the same effect and that he might preside in the event of the President's absence.

Adopt Report Resolutions for Genl. Mtg.

Thanks to Mr. Cockburn & Committee – The cordial thanks of the Council to the Committee for issuing a Circular toward increasing the number of Members of the Society, and specially to Mr. Cockburn its Convener, were given –

Audit of Accts. – The Treasurer mentioned the absence, on the Continent, of Mr. Johnston, the Secretary and Auditor, and suggested the appointment of a Committee for the auditing of the Accounts – Mr. ~~[illegible]~~ Robert Leslie and Mr. Cowe were appointed accordingly –

Application from Mr. Malloch of Strathgarve & Mr. Cameron of Lochiel – Loan of Instruments to be given on the usual terms, as none have been applied for lately – To be returned on demand – And a proper Observer to be appointed – and carriage of Instruments to be paid by Applicants – Chairman to correspond on the subject –

Alteration in Schedule –

Amount of Arrears –

It was directed that a Circular should be issued to such Members of the Society as had not paid their Subscriptions before or in the course of January yearly, reminding them of their Subscriptions being past due – and that the notice hitherto given in the Quarterly Reports should be discontinued –

The Chairman mentioned his intention of noticing, at the General Meeting, a communication he had had from Admiral Fitzroy with regard to the telegraphing of approaching storms, and other scientific matters – ~~and~~

100 Extra Copies of Quarterly Reports to be printed and left in the hands of Veitch & Co. for Sale, at 6d. – and a Copy of The Scotsman's Report of the Half yearly Meeting to be sent with the coming Quarterly Report –

~~Half Yearly General~~ Meeting of Council, in Highland & Society's Museum, on 18th June

... e Chair —

... of Tweeddale —

THE METEOROLOGICAL SOCIETY OF SCOTLAND.

From E. E. Courant, of 21 June 1861 —

The half-yearly meeting of the Meteorological Society of Scotland was held on Wednesday in the Highland and Agricultural Society's Museum, George IV. Bridge—the Marquis of Tweeddale in the chair.

There were present, among others—Mr David Milne Home of Wedderburn; Mr Henry Stephens; Major Hay, Linden Lodge; Mr George Hope, Fenton Barns; Professor Balfour; Professor Allman; Dr Seller; Mr Richard Hunter; Mr James Anderson, S.S.C.; Mr Peter M'Lagan of Pumpherston; Mr Paterson, Meadowfield; Mr Wilson, Wester Cowden; Mr Buchan, Meteorological Secretary; Mr Gibson, Honorary Treasurer, &c.

Mr Archibald Gibson read the report of the Council, which was as follows:— In reporting what has occurred in the proceedings of the Society since the last half-yearly meeting in January, the Council are happy to be able to say, in the first place, that the monthly returns have come in from the Society's stations—fifty-four in number—with the same regularity as formerly. The meteorological secretary, Mr Buchan, has been very attentive in his examination of the returns, with the view of testing their correctness before delivering them to Professor Piazzi Smyth for reduction; and he informs the Council that there are only a few stations, the returns from which have shown inaccuracy, and that in these cases he has, without much trouble, had the errors rectified. In the majority of cases the errors arise, not in the observation of the instruments, but in copying the schedule which is transmitted to Edinburgh. In several instances a representation having been made by the Council that instruments of a better description ought to be procured, the request has been readily acceded to by the proprietors on whose estates the stations were established. Since the last general meeting one quarterly report has been issued, being for the three months ending 1st January 1861. Another report, viz., for the three months ending 1st April last, is now ready, and will be immediately circulated. The Council entertain a hope that members will notice a marked improvement in the character of these quarterly reports. Hitherto, the reports have contained only tables of dry figures, giving the results of observations at the stations. But in the recent reports, besides these tables, there will be found information of a more varied character, and of much interest. In particular, the Council may refer to a very able paper by Mr Buchan, being the first drawn up by him after his appointment to the office of meteorological secretary, on the subject of the intense frost which prevailed in this country during last Christmas. The Council will make an endeavour to have all future reports drawn out so as to contain short papers and notices of miscellaneous interest, and they take this opportunity of saying that they will gladly receive, from either members or observers, communications for insertion in the reports. They have had much pleasure in authorising the insertion in the forthcoming quarterly report of an account of experiments with the anemometer by the gardener at Castle Newe, Aberdeenshire, one of the Society's most assiduous observers. It has been suggested to the Council that, considering the improved character of these reports, they might be offered to the public for sale; which, besides having the effect of diffusing more widely meteorological intelligence, would also make known more widely the objects and proceedings of the Society. The Council have approved of the suggestion, and made arrangement for carrying it out. Some correspondence has taken place with Rear-Admiral Fitzroy, who is at the head of the meteorological department of the Board of Trade, with reference to a daily bulletin of the weather on the Continent. Members are no doubt aware of the fact that there is now published in several of the London daily newspapers an account of the state of the weather at a considerable number of sea-ports, as observed at 9 A.M. on the day of publication. The Continental bulletins are transmitted every morning from the Paris Observatory to Admiral Fitzroy's office; and Admiral Fitzroy then despatches them, with the addition of a few from different ports in our own country, to the London papers published the same afternoon. These daily bulletins embrace, however, no returns from the sea-ports in the north of Europe; and as a very large trade is carried on between this country and other sea-ports in these quarters—as Hamburg, Bremen, Rotterdam, Riga, Copenhagen, and St Petersburg—the Council were informed that it would be a great boon to ship-owners as well as to ship captains in Scotland and England to have a daily bulletin of the weather also from such quarters. The Council accordingly applied to Admiral Fitzroy, with the view of having this information given. He replied that he would do his best endeavour to carry out the suggestion; but that it might be some time before the necessary arrangements could be made, and the expense of telegraphic transmission be provided for. The Council have recently had a letter from Admiral Fitzroy stating that an arrangement has now been made for obtaining daily weather bulletins from St Petersburg. The Council take this opportunity of stating that Admiral Fitzroy has on every occasion been most attentive to any communications made to him by the Council. The Council are happy to point to one proof of the increasing appreciation of the Society's objects and proceedings, in the fact that, since the last general meeting in January, thirty new members have been added to the roll. As it is to the summer general meeting that the accounts of the Society have always hitherto been reported, the Council have examined these accounts as kept by Mr Gibson, the honorary treasurer, and have compared them with the vouchers, and found them correct. At the last general meeting, it was remitted to the Council to consider whether there might not be amendments of some of the Society's rules and regulations. The Council, after carefully considering these have no alterations to suggest; but they have drawn up a few bye-laws, to give directions in some matters apparently not embraced by the original rules and regulations, and which they think the meeting should sanction. They suggest, that these rules and bye-laws, as well as a list of the members of the Society, should be printed, and copies circulated with the next quarterly report.

The new members were as follow:—The Marquis of Breadalbane; Lord Neaves; Lord Cowan; Sir George Macpherson Grant, of Ballindalloch, Bart.; Rev. Lewis Hay Irving, Falkirk; Sir William Mackenzie of Coul, Bart.; Mr Adolph Robinow,

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... [illegible] as directed at last Meeting, but had had a letter from him expressing his regret that he would be unable to attend the Half yearly Meeting — also that he had made arrangements with the Reporters for the Courant and other Newspapers for their attendance at the Half Yearly Meeting — Messrs Leslie and Cove submitted the Treasurer's Accounts with their docquet to their correctness —

Alteration in Schedule -

Amount of Arrears -

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Moray Place; Mr John H. Hope, South Elphingston; Mr Andrew Coventry, advocate; Mr John J. Chalmers of Aldbar; Mr William F. Blair of Blair; Mr George Lorimer, builder; Mr Robert Napier, West Shandon; Mr Robert Scarth of Binscarth, Orkney; Mr Wellwood H. Maxwell of Munches; Mr John Scott of Rodono; Mr William Thomson of Balgowan; Mr George Napier, Sheriff of Peeblesshire; Mr James Rome, Glasgow; Mr Claud Muirhead, Heriot Row; Mr Hugh Hamilton, Sundrum Cottage, Ayr; Mr James Stewart Forbes, Charter House, Wimbledon; Mr Thomas Edmondston of Buness, Shetland; Mr A. Cameron of Lochiel; Mr Alexander Maclean of Ardgour; Mr Alexander Smollet of Bonhill; Mr George Mackintosh of Geddes; Mr J. Miller, Leslie; Mr W. J. Peebles, Glasgow; Dr Roxburgh, Laverock Villas, Trinity.

Mr Maclagan of Pumpherston said he was sure that the gentlemen present must be gratified at the exceedingly satisfactory report which had just been read. They were all very much indebted to Mr Milne Home for the part which he took in getting up the report, and those who were in the habit of getting the quarterly returns must be exceedingly gratified at the able manner in which they were drawn up, and at the very satisfactory position which the Society had taken up throughout the country. He only regretted that the applications for membership had not been more numerous. He was sure if the gentlemen with whom he came more immediately into contact—namely, the agricultural interest—would only consider the great benefit such a Society would be to them, they would come forward and support it, not only by their presence, but by their means. He said he had much pleasure in moving the adoption of the report. (Applause.)

Mr David Milne Home of Wedderburn said that assuming the report to be approved of by the meeting, he might be allowed to express his thanks on the part of the Council of the Society. At the same time, he felt that this report referred merely to the proceedings of the last six months, and he believed that many members had been asking the question, not what the Council of the Society had been doing during the last six months, but what the Society had been doing during the last four or five years of its existence. That was a very proper question to be put to the Council; and he now rose not to give a full answer to that question, for he did not feel himself more qualified than others to do so; but occupying the position which he had the honour to hold as Chairman of the Council of this Society, it might be supposed that he had better access to sources of information than other members; and he was prepared now to make a few observations as to what had been done by the Society for carrying out the objects for which it had been established. He had no doubt that most of the gentlemen present, and many who were absent, must have a desire to see these objects, if not carried out, at least some progress made towards the fulfilment of them, and he therefore begged leave to refer to the proceedings of the Society, and to the results which had been obtained during the last four or five years. The objects for which the Society was established were—first, to investigate Scottish meteorology, and for that purpose to ascertain the leading features of the climate of Scotland in its different districts; secondly, to show the bearings of the results on particular points, such as health, agriculture, and with a view to lead to a knowledge of coming weather; and thirdly, to disseminate meteorological information. The last-mentioned object the Council had regularly carried out, as they had 54 stations in different parts of the country where observations were regularly made, and from which monthly reports were regularly received; and the Council were doing what they could to increase the number of stations. Then, as to the investigation of the subject of Scottish meteorology, and particularly the ascertainment of the leading features of the climate of our own country in the different districts, they were aware how much had been done. With regard to barometric pressure, they all felt that this had not very much to do with climate directly, at least not so much as temperature, rain, and winds. Accordingly the Society took up these three points in the first instance. From the reports made it would be observed that the temperature at all the stations had been investigated—the temperature for the year, the month, and the extreme of temperature—namely, the highest and lowest point to which the thermometer fell—and in that way they had been able to eliminate one of those subordinate points—the peculiarities that existed in the climate of our own country. One of the points that were brought out in the tables of temperature was that, during the winter especially, the north and north-west parts of Scotland were warmer than the south of Scotland or even England. He had observed in the last report of the Registrar-General—a book presented to the Home Secretary, and laid before Parliament a month or two ago—a very remarkable statement to the effect that pulmonary consumption prevailed less in the west of Scotland than in any other part of Great Britain, and he presumed that the reason was one of a meteorological nature—namely, that during the winter season, when of course patients under that disease suffered most, a higher temperature was to be found on the north-west coasts—on the coasts of Argyleshire—than in any other part of the country. With regard to the temperature, he had to call attention to a very interesting report drawn out by the Secretary in regard to the extreme cold that prevailed in Great Britain during the last Christmas week, and one peculiarity that came out was that places on a high level were much warmer, or at least they did not suffer the same extremes of cold as places on a low level. On one occasion at Wanlockhead, which was 1300 feet above the level of the sea, the thermometer was six degrees above zero; while at Drumlanrig, which was 200 feet above the sea, the temperature was one degree below zero. In East Lothian, at his Lordship's station at Yester, the thermometer did not fall below zero; while at Linton, a few miles off, it fell five degrees below zero. These observations were also illustrated by reference to what took place in other parts of the country. While all along the banks of the Tweed and Clyde there had been great destruction in gardens and shrubberies, on the higher parts of the country, such as at Yester and Spottiswoode, which was 800 feet above the level of the sea, not an evergreen had been destroyed. Dr Starke in very able papers had shown that the rate of mortality increased with increased cold, and it was therefore not necessary for him to make any further reference as to the bearing of these observations on health. As to rain, they found the average amount of rain which fell in the different parts of Scotland, and they had also investigated this subject by the aid of a prize offered by his Lordship for an essay on rainfall. From the essays that had been sent in it appeared that the notion which had prevailed for some time, that the extensive drainage that had taken place in the country must have lessened the amount of rain, turned out not to be well founded. Although the last four or five seasons had been remarkable for dryness, yet, looking back for thirty or forty years, it was found that, on the whole, the average quantity of rain was not less now than in former days. Then as to the question of winds the Society knew exactly from the returns made to them at what month of the year different winds were most prevalent, and in what parts of the country they were. The tables showed the prevalence of the two great currents which flowed from

~~Half Yearly General~~ Meeting of Council, in Highland &c Society's Museum, on 9th June

Chair—

of Tweeddale—

the pole to the equator, and that all the rest were merely modifications. While we had 190 days of a south-west wind, we had only 90 days of a north-east wind. There was a very important point which had been contemplated by the Society at its commencement—namely, to investigate the general laws regulating atmospheric changes, and which if understood might lead to a knowledge of the coming weather. Accordingly the Council now proposed to direct the attention of their Secretary to that department—the most difficult and the most important one that he could be engaged in. This would necessarily be a work of considerable labour, and the Society must not expect results of a very important character in too short a time on such a subject. The investigations must embrace the whole of the earth's atmosphere in all parts of the world, and the observations must be made not only on land but also on ocean, which formed two-thirds of the surface of the globe. Any investigations in Scotland alone would be but a small contribution to the general stock of knowledge required on so very large a subject; and it was only by multiplying observations in all parts of the world, and combining or comparing these, that the laws which regulated the movements of the atmosphere could be discovered. The difficulty of predicting the weather arose from this circumstance, that unless we knew of the atmospheric changes which took place as to the generation of winds and vapours, and so forth, in other parts of the world, it was impossible to say what changes were to take place here. The changes of the weather in Scotland, or in any particular country, might be compared to the floods, which he saw occasionally near the mouth of the Tweed. He often saw floods coming down, although not a drop of rain had fallen in that district, and it was impossible for the people there to anticipate when these floods were likely to come, unless they knew the sort of weather prevailing in the higher districts from which the Tweed came—in the Lammermuir, Cheviot, Selkirkshire, and Peeblesshire Hills. In the same way, rain which fell in Scotland could not be predicted unless we knew what was going on in the great oceans of the Atlantic and the Mediterranean, from which vapours arose and were condensed. He then proceeded to make some remarks as to temperature, and said that, as much of our climate depended on the movements and directions of the gulf stream, if we had the means of ascertaining its change of direction, we could then predict probably whether our winter would be cold or mild. From these remarks, it was evident that the field of observation was very extensive, and the problem complicated, to calculate the operation of the various laws which governed and regulated the movements of the atmosphere. He thought that meteorology stood at the present day very much in the position that astronomy did a great many years ago, before the exact law that regulated the movements of the planets was ascertained. As to our forefathers' knowledge of these matters, they only inferred that what had happened before would most possibly happen in the future; but they knew not why the sun was always highest in summer, and lowest in winter; why the moon shone full and round every month, and was sharp and obscured at other times; why Venus was a morning star at one time, and an evening star at another time of the year, till Newton demonstrated the one great law by which all was regulated. We had yet made little or no progress in ascertaining the laws which regulated the movements of the atmosphere, or rather in calculating how these acted and reacted on each other; and in the meantime we might form estimates of the coming weather from experience and observation, and observe those natural signs of the weather which our shepherds and fishermen resorted to with great success until more progress should be made in the science. It was right to notice that Admiral Fitzroy had lately been attempting to give predictions of the weather, particularly in regard to gales, which was a great step in advance of what had hitherto been attempted. Signals had been sent to all the outports to give warning to ships when a storm was likely to come on, and the result had been that of the nine warnings which had already been given in every case a storm had followed, and in one of them the Admiral was only wrong as to the direction from which the storm came. He understood that at the port of Shields a great many colliers on one occasion thought that the warning was nonsense, and persisted in going to sea; and the result was that a storm followed, two or three of the ships foundered, and a great many were damaged. On another occasion the harbour-masters of Liverpool complained that in consequence of a warning that had been given, the harbour was overcrowded with ships, but a severe storm immediately followed, and the vessels lying in the port, that would have otherwise suffered, escaped injury. One of the most practical meteorologists of the day—Commodore Maury, of the United States—had so thoroughly approved of the experiments made by Admiral Fitzroy that in the month of April last he addressed an official letter to the Government Secretary at Washington, desiring to be authorised to send signals to the seaports and also to the lighthouses, which is a step in advance of the plan of Admiral Fitzroy. The Admiral was enabled to give these signals by an extensive ramification of stations, from which returns were received by the electric wires. He received everyday returns from ten or twelve places in the Continent and from different places in Great Britain; and by looking at the state of the barometer he was able to infer in what direction the approaching storm was likely to move. It had been well established that all the storms followed a regular track, and if we could find the place where a storm generated it would be easy to know which track it was likely to follow. In America there was a far wider field for meteorological observation than in this country. The Smithsonian Institute had established no fewer than 300 stations, from which quarterly returns were made, and it received daily returns from fifty or sixty places in all parts of the United States. There was hung up in the public library of Washington a map on which these stations were marked, and on which the state of the weather, the direction of the wind, and so forth, were indicated; so that those who wished to know the state of the weather at any of these places had only to go and consult the map. Colonel Sir Henry James, a member of our Society, who took part in a great conference that was held in Brussels some years ago, when sea observations were agreed to by several nations, was now endeavouring to get a conference held in regard to land observations; and it would be for the Society to say whether that gentleman might not be requested to represent them at such a conference as that now proposed to be held. After some further remarks, Mr Home concluded by expressing the hope that the Society would obtain the necessary public support in order to enable it to carry out more fully than hitherto its important objects.

The Marquis of Tweeddale said he was sure the Society were much indebted to Mr Milne Home for the interesting statements he had made. He would only allude to one or two of them. It had been often asked at him what this Society was doing, and what the members got in return for the money which they gave to it. All he had to answer to those gentlemen who put such questions was just this, that if they would give themselves the trouble that Mr Milne Home did to gain such a mass

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had a letter from him expressing his regret that he would be unable to attend the Half yearly Meeting — also that he had made arrangements with the Reporters for the Courant and other Newspapers for their attendance at the Half Yearly Meeting — Messrs Leslie and Cox submitted the Treasurer's Accounts with their docquet to their correctness —

Alteration in Schedule—

Amount of Arrears—

of information as he had given to-day they would have something to talk of and think of till next year at the anniversary of this meeting. As to the mildness of the climate in the west of Scotland, it seemed to him a most extraordinary thing, that though we had people going to the Continent and Madeira, and all parts of the world for the benefit of their health, this was the first time that we had heard that, if people would be contented to go to the western coast of Scotland, the climate would be more suitable for those suffering from pulmonary consumption than other parts of the world. They all knew how inconvenient it was for people to go to other parts of the world, and he thought that Dr Seller might explain how they did not rather stay at home and take advantage of the mild climate in the west of Scotland. After some remarks on the effect of the gulf stream on climate, he said that this being a practical Society, they ought to have a basis to go upon; and as long as the principles of the climate were not understood, they had not gained the object they had in view. With regard to the effects of last winter on the country, Mr Home had stated what he had strong reason to believe that low places had suffered more than higher grounds. He had observed on one occasion during the winter, that while there was frost at Haddington there was none at Yester, which was 250 feet higher. As to Colonel James' recommendation to have a conference, he thought it was the duty of the Society to give an immediate answer in regard to the matter, because it was evident that before they accomplished all that was necessary, they would require to appeal to Government, particularly in regard to the question of ascertaining the temperature of the sea, and he thought that any recommendation coming from the Government should be attended to without delay.

Dr Seller said, with reference to the mildness of the climate in the west of Scotland, that though it was true that much attention had not been given to that subject for some years, yet they all knew that medical men had approved of Rothesay as a very suitable place for invalids, and it had been largely taken advantage of. With respect to other places on the western coasts of Scotland, attention had been drawn to them, but there was always the great difficulty in the way—namely, the want of proper accommodation and other necessaries for patients, which were just as requisite as a change of climate.

The proceedings then terminated with a vote of thanks to the Chairman.

Edinburgh, June 20, 1861.

(From Edinburgh Evening Courant, June 21, 1861.)

~~Half Yearly General~~ Meeting of Council, in Highland &c. Society's Museum, on 19th June 1861, at 1½ P. M. –

Present Mr. Milne Home in the Chair –
The Most Noble The Marquis of Tweeddale –
Mr. Robert Leslie –
Mr. Cove –
Mr. Hope –
Major Hay –
Dr. Seller –
Mr. Stephens –
Mr. Richard Hunter –
Professor Balfour –

The Meteorological Secretary –
The Treasurer –

× The Minutes of last Meeting, held on 4th curt., were read and found correct.

The Chairman mentioned that he had called this Meeting lest any thing might have occurred that required the attention of the Council previously to the Meeting of the Society – ~~The Treasurer stated that he~~

× The Treasurer mentioned that he had written to Sir John Stuart Forbes as directed at last Meeting, but had had a letter from him expressing his regret that he would be unable to attend the Half yearly Meeting – also that he had made arrangements with the Reporters for The Courant and other Newspaper for their attendance at the Half Yearly Meeting – Messrs. Leslie and Cove submitted the Treasurer's Accounts with their docquet to their correctness –

Meeting of Council in the Society's Chamber on 27th September 1861—

Present—
Mr Milne Home in the Chair—
Honble Lord Cunninghame—
Mr Miller—
Dr Seller—
Professor Balfour—
~~Mr [illegible]~~ Mr Johnstone
Mr Cox—
Major Hay—

The Meteorological Secretary—
The Treasurer—

The Minutes of last Meeting were read, and found correct—

~~The Chairman mentioned his having been present at a Meeting in Manchester, of~~

Dollar Institution. — Letter from Dr Stracken, Dollar, submitted, offering to form a Station in connection with the Society — This offer was accepted —

The Treasurer mentioned that the following Gentlemen had, since last Meeting, intimated a wish to be admitted Members of the Society, and the Chairman moved that they be admitted accordingly, which was unanimously agreed to — viz —
The Earl of Selkirk —
Mr Anderson of Moredun —
Mr Walter Elliot, Wolflee —
Mr George Cunningham, Farmer, Middlefield, by Dunse —
Mr William Smith, Merchant, Dundee —
Mr E. J. Lowe, Highfield, Nottingham —

27 September 1861 –

The Treasurer further mentioned that he had received a letter from the Earl of Selkirk and a remittance of Five pounds as a ~~Donation~~ Contribution to the funds of the Society –

Supplementary Stations – St Andrews – } Consideration of a proposal to establish Pitlochry – } Stations at these places was postponed –

~~Minor Stations~~ Culloden – A proposal from Mr Forbes that the Society should offer a prize for the best Digest of ~~Constant~~ a long series of Meteorological Observations – to lie over in the meantime –

Wanlockhead – The Chairman was requested, and agreed, to correspond with The Duke of Buccleuch as to an Anemometer ~~Station~~ for this place – *Agreed to by the Duke*

Iona – The Secretary was directed to write to the Observer to discontinue his Observations, and means to be taken ~~Kirkpatrick Juxta~~ for securing the services of a Competent Observer –

Stirling – The Secretary to write to Mr Harvey for definite information as to whether he be willing to provide the requisite Instruments – if not, means to be used for securing an Observer for this Station –

Kirkpatrick Juxta – The Secretary to write to Mr Tait regarding the Society's Barometer in his possession – and means to be used toward securing an Observer for this Station – *A Successor Expected* –

New Chambers—

The Fall of Rain to be the subject for the Report for the Quarter ending 30th curt.—

Thanks were voted to Mr. Thomas Bailey Stockbroker for the donation of Patterson's "Observations on the Climate of Ireland" — and to Mr. Skene, W.S., for "Gairdner's Meteorology at Edinburgh, 1820 & 1836". — Mr. Buchan mentioned that the following Works had also been sent to the Society—

The 9th & 10th Reports of the Council of the British Meteorological Society for the Years 1859 & 1860—

Proceedings of the Literary and Philosophical Society of Liverpool for Session 1860–61—

? Address before the American Association for the Advancement of Science August 1859—

Thanks were voted for these Works—

See Min of 4th Inst.

Additional Copies of next Quarterly Report to be printed for Sale and reservation—

Mr. Buchan was authorized to attend a Class from 12 to 1 o'clock, keeping attendance in the Society's Chambers from 11 to 12, and from 2 to 4 o'clock — and to intimate these hours by a ticket at the door of the Society's Chambers, as had been formerly done—

Meeting of Council, in Chambers - 10 Decr. 1861 -

Present -
Mr. Milne Home - in the Chair -
The Marquis of Tweeddale -
Major Hay -
Mr. Cockburn -
Mr. Johnston -
Mr. Hope -
Mr. Cunningham -
Mr. Cox -
Dr. Mitchell -
Professor Balfour -
Mr. Stevenson -

The Meteorological Secretary -
The Treasurer -

Mr. Stephens had called to say that he could not be present at this Meeting -

The Minutes of last Meeting, held on 27th. September, were read, and found correct -

Mr. Cockburn agreed to communicate with Col. Maclean of Ardgour, with a request for an answer to a late letter to him; as to Observations in his District -

The Sec. Report for the Quarter ended on 30th. September last was submitted by the Chairman -

It was agreed on, after a full conversation, that the Report should embrace the following Papers -

Mr. Buchan's Paper on the Fall of Rain -

Mr. Lowe, of Highfield, Nottingham's Report

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the excessive cold of Christmas 1860—
Comparison of the Fluctuations of the Barometer in Nova Scotia and in Scotland, by David Milne Home Esq.—
Comparison of Air and Underground Thermometers, by Mr. A. Poirson—
Note of Weather Prognostics in Iceland—

Mr. Johnston read a letter from ~~Mr. Forbes~~ John Stuart relative to the establishing of a Station ~~[illegible]~~ at New Pitsligo in Buchan— It was agreed that Sir John's ~~[illegible]~~ proposal should be adopted—Mr. Johnston to correspond with him on the subject—

All the Instruments issued by the Society to be stamped with the Society's name—The mode of doing so to be arranged by Mr. Buchan with Mr. Adie—

Mr. Cockburn suggested the expediency of an attempt being made toward a more speedy Communication to Edinburgh and Glasgow and other important places in Scotland of the state of the ~~temperature~~ weather in different parts of the Continent— A conversation on the subject followed, on the temperature of drained Land and undrained Land, and the Marquis of Tweeddale agreed to offer something on the subject.

~~It was agreed that Mr. Buchan should take up as the subject for the next Quarterly Report—~~

10th Dec. 1861 –

~~The Marquis of Tweeddale agreed to offer a Prize for~~

The Marquis of Tweeddale
~~His Lordship also~~ offered to correspond with Parties connected with the India House, to procure access being had ~~to very valuable Returns on Meteorology and kindred subjects,~~ by this and other Scientific Bodies – to very valuable Returns, on Meteorology and other kindred subjects, understood ~~to be in possession of the Indian Government –~~ to have been received from India – His Lordship's offer was gladly accepted –

Meeting of Council, in Chambers on 8th January 1862 –

Present –
Mr Milne Home – in the Chair –
Mr Johnston –
Mr Stephens –
Major Hay –
Mr Hunter –
Mr Cunningham –
Dr Seller –
Mr Robert Leslie –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting, held on 19th ulto., were read and found correct –

The arrangements for the General Meeting to be held on 15th curt., were considered

Mr Johnston promised to read a paper on ~~the intimating~~ certain Observations on the Gulf Stream in high Latitudes –

~~Stopped~~ as intimating that The Marquis of Tweeddale had given au:thority to make mention at the General Meeting, that he intended to offer a Prize ~~for~~ of £40 – for Experiments and Reports on the Temperature of Drained and undrained Land –

The change in the Council was then taken up, when it was agreed that the following Gentlemen should go out in rotation, viz.t ~~Messrs~~ Lord Curriehill – Mr. Allan[illegible], and Dr. Keller;
and that the following Gentlemen should be proposed for election in their room, viz.t –
Lord Cowan, if his Lordship agree –
Dr. Scoresby Jackson –
and, if Lord Cowan should decline, the Treasurer was directed to enquire of Lord Neaves (also a Member of the Society) if he would agree to be proposed –

It was agreed that the General Meeting should be held on Thursday the 16th, at twelve o'clock in the Highland Society's Museum –

Colonel Maclean of Ardgour

Notice of General Meeting to be intimated by a Circular, with Notice of Matters, and of the subscriptions being due as on 1st. curt. –
Meeting of Council to be held in Highland Society's Rooms on the 16th, at 11 a.m. – and intimated as usual –

Meeting of Council in Highland Society's Museum, Geo. IV. Bridge, on 18th January 1862, at Eleven A.M. —

Present Mr. Milne Home in the Chair —
The Marquis of Tweeddale
Sir John Stuart Forbes —
Mr. Stephens —
Mr. Stevenson —
Dr. Sykes —
Mr. Cunningham —
Major Hay —
Professor Balfour —
Mr. [illegible] —
Mr. Johnston —
The Meteorological Secretary —
The Treasurer —

The N. B. Advertiser, containing the Notice of the

The Minutes of last Meeting, held on 8th inst., were read, and found correct —

The Treasurer mentioned that he had seen Lord Cavan since last Meeting, and that His Lordship had expressed great interest in the Society and its operations, and promised to consider of joining the Council of Electors; but that His Lordship has subsequently, for the reasons given in a letter which was on the table, ~~had~~ declined to be put in nomination — That he had then waited on Lord Neaves, who had, with great cordiality, agreed to join the Council of Electors —

He also mentioned ~~that~~ he had just seen Sir Thomas Gladstone, of Fasque, who had agreed to join the Society, as a Subscriber of a Guinea per annum —

Mr. Stephens, Prof. Balfour, & Mr. Stevenson, (Mr. Stephens Convener) to revise the Specification

for The Marquis of Tweeddale's Papers -

& assembled in a general Meeting at Edinb.
May it please yr Majesty on the 16th Jany 1862

We yr Majesty's loyal ~~& attached~~ subjects the Meteorological Society of Scotland, beg leave to offer the humble tribute of our condolence, on account of the great bereavement wh. has befallen yr Majesty & the Royal House, by the death of his Royal Highness the Prince Consort

We ~~also~~ in common with the rest of our countrymen, also mourn this loss on our own account. We remember with pride & gratitude, that the late Prince was the enlightened patron of many useful Institutions, and was ever ready to assist in the advancement of Art and Science. In particular we know that he appreciated the importance of the Science of Meteorology, to which this Society ~~is~~ applies itself, and that when President of the British Association for the advancement of Science, he ~~interested himself, in assisting~~ assisted to establish Meteorological and Magnetical Observatories both in our own land & in foreign countries -

We earnestly hope, that yr Majesty may be supported under the severe affliction with which it has pleased God to visit your ~~Royal~~ Majesty, and that your Majesty may be long spared, as Sovereign of a great Empire, to carry out the enlarged views of yr late illustrious consort, and to reign over a free, a civilized & attached people

Address
by
The Meteorological Society of Edinburgh
January 1862

Meeting of Council in the Society's Chambers, on 18th January 1862, at 2 P.M.

Present — Mr Milne Home — in the Chair —
Major Hay —
Mr James Leslie —
Mr Johnston —
Mr Stephens —
Professor Balfour —
Dr Scoresby Jackson —
Mr Stevenson —
The Honble Lord Neaves —
Dr Mitchell —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting, held on 16th curt., were read, and found correct —

The Chairman stated that his object in calling the present meeting was that the Meeting might consider what special subject should be taken up by the Meteorological Secretary for treatment in the next Quarterly Report. The Chairman having stated his views, a conversation took place, and it was resolved that the subject should be the differences of ~~temperature~~ climate in different parts of Scotland, as shewn in the Observations made for the Society, especially as regards Temperature, Moisture, Rain, and Winds, as also as regards the progress of vegetation in these districts —

18th January 1862 -

The Treasurer mentioned that the following Gentlemen had intimated a wish to be admitted Members of the Society, vizt, John Scott Esqr, Mayderston House, Berwickshire, and Mr Alexander Reid, Optician, 47 South Bridge - Both Gentlemen were admitted, and the Treasurer was directed to intimate their admission, in the usual way -

Mr Buchan was directed to communicate with The Honble Lord Ardmillan as to His Lordship's willingness to establish a station on his property, situated on the West Coast of Ayrshire, near Girvan, where the Society has not at present any station, the nearest being that at Stranraer.

The Chairman mentioned his having had a communication from Mr Forbes of Culloden, relative to what appeared to him to be the possible connection with the Potatoe blight which had occurred during October last, and an alleged deficiency of Ozone in the Atmosphere during the period of the blight - A conversation took place on the subject, in which Dr

Mitchell took part — The general opinion was that it had not been ascertained that there had been any deficiency of Ozone during the period referred to, but that the fact lay rather the other way —

Atmospheric phenomena indicative of coming Storms,

Mr Stephens ~~tendered a~~ offered to prepare a Report on certain Phenomena which he had observed, each season, while in both England and Ireland & the offer was gladly accepted —

Dr Mitchell agreed to report to next Meeting of the Council the result of inquiries he had been requested to make relative to the proverbial sayings current in the Country as to the natural signs of the weather —

Minutes of a Meeting of the Council, held in the Society's Chambers on 1st April 1862, at 2 P.M.;

Present - Mr. Milne Home - in the Chair -
Mr. Robt. Leslie -
Mr. Cox -
Mr. Cunningham -
Mr. Johnston -
Major Hay -
The Marquis of Tweeddale -
Mr. Stephens -
Mr. James Leslie -

The Meteorological Secretary -
The Treasurer -

The Minutes of last Meeting, held on 18th January last, were read and found correct -

Ardmillan - The Secretary reported that he had been in communication with The Honble. Lord Ardmillan, regarding the establishment of a Station on the West Coast of Ayr, and that His Lordship, having made inquiry, recommended as suitable parties Messrs. Peter Paterson, Shoemaker, and [illegible] Mr. [illegible], [illegible] - The Secretary was ^ instructed to correspond with these parties -

The Chairman laid on the table a Report by Mr. Stephens, ^ as promised by him at last Meeting; for which the thanks of the Council were tendered to Mr. Stephens - and the Report was directed to be inserted, or more or less of it, in the Quarterly Report about to be issued -

With reference to Dr Mitchell's Report relative to a collection of Proverbial sayings current in rural Districts of the Country relative to the natural signs of the Weather, the Treasurer stated that he had reason to know that Dr Mitchell had been called to go to the Country on professional duty, without being able to conclude the Report which, the Treasurer knew, he had been engaged on —

The Chairman, and the Meteorological Secretary, explained the causes of the latter not having been able to complete, in a satisfactory way, the matter for the outcoming Quarterly Report which he had been directed at last Meeting to throw together. The explanations were considered satisfactory; and the Meeting, ^ took under consideration what other matter should go to compose the next Quarterly Report. The following papers were agreed on — 1st. on indications of Storms from the appearance of the Clouds, by Mr Stephens, Member of the Council of the Society. 2d. on the frequency of certain Meteorological Phenomena, near Aberdeen, by Mr Alexr. Cruickshank, an Observer for the Society. 3. Notice of a new subject of investigation for which a prize is offered by The Marquis of Tweeddale, President of the Society.

[Margin: ^ after Mr Buchan had exhibited some of the results of his labours in preparing the matter referred to, with which also the Meeting expressed great satisfaction]

New Members. The Treasurer reported that Mr Richard Hunter had requested him to propose for election as a Member of the Society Dr Thomas Keir, Portobello, his Subscription to be a Guinea p annum. He also reported that Colonel Hunter of Auchterarder had applied, through Mr George Seton, for admission as a Member of the Society, his Annual Subscription to be £1. Both Gentlemen were unanimously elected Members of the Society, & their Election to be intimated.

Address of Condolence. The Chairman laid before the Council the Home Secretary's answer of acknowledgement of receipt of the Society's Address of Condolence on the occasion of the Decease of His Royal Highness Prince Albert, wherein Sir George Grey stated that he would take an early opportunity of laying the Address before Her Majesty.

Mr Buchan mentioned that the Revd Mr McGregor, Minister of the Parish of Logiealmond, had offered to become an Observer for the Society, but the Council agreed that a new Station in that District was not at present required, and Mr Buchan was directed to intimate to Mr McGregor accordingly.

~~Mr Buchan was authorized to~~

The Chairman laid on the table a Report by Mr Forbes of Culloden on the effects of the severe Frost of December 1860, which had been forwarded for insertion in the ~~Mr Stephens~~ Society's Report. On account of its great length the Council did not think it suitable for publication in the Report, but, considering the great value of the facts it embodies, it was recommended that Mr Forbes send it to the Editor of the Edinburgh Philosophical Journal for insertion in that Periodical.

Meeting of Council, held in the Society's Chamber on 24th. May 1862, at 2 P.M. –

Present –

David Milne Home Esqr. in the Chair –

Mr. Stephens –

Mr. Stevenson –

Mr. Johnston –

Mr. Hope –

Mr. Core –

The Meteorological Secretary –

The Treasurer –

The Minutes of last Meeting of Council, held on 1st. April last, were read, and found correct –

A Letter from Mr. Paterson, Shoemaker, Girvan, who had been recommended by Lord Ardmillan –, agreeing to act as an Observer for the Society, provided Instruments were supplied to him – This offer was accepted, on the usual conditions –

The Chairman brought before the Council the Returns which had been made under The Marquis of Tweeddale's Offer of ~~eight~~ prizes of ~~£5~~ last year – and suggested the appointment of a Committee who might examine these Returns, and report to the Council the result of their Examination – The

following Committee was appointed, viz. – the Chairman, Mr. Stephens, Professor Balfour, and Mr. Hope – Mr. Stephens Convener –

The Chairman then brought under notice the Marquis of Tweeddale's current prize, and a letter which he had received from Mr. Forbes of Culloden regarding it – Mr. Buchan was directed to answer Mr. Forbes's letter –

The Chairman laid before the Meeting a Letter from Sir John Stuart Forbes, expressing, on behalf of his Reverend Brother at Burntisland, a wish that the Society would direct its attention to Burntisland as a station for Observations. In connection with this subject, Mr. Stevenson, who had lately been residing at Ventnor, in the Isle of Wight, said that he had, for some time, been thinking it might be very advantageous that the Council should direct its attention to the ascertainment of the sanatory temperature of various localities in Scotland, as he ~~was [illegible]~~ hoped that some might be found to be as eligible for Invalids as those in *

*England or other localities south of Scotland; and he suggested Mr. Buchan's taking steps towards such Observations being made at Burntisland and Aberdeen(?) to begin with – This was agreed to, and Mr. Buchan was directed to communicate with Sir John S. Forbes or his Brother on the subject –

It was agreed that the Half Yearly Meeting should be held on Wednesday the 20th Novr. in the Highland Society's Museum, on the rising of the Meeting of that Society, or at say, two ~~three~~ o'clock – to be advertised in the N. B. Advertiser of Saturday next and the Courant and Scotsman of Wednesday and Saturday next –

The Chairman kindly undertook to make a communication to the ensuing ~~[illegible]~~ [illegible] Meeting on the subject of Admiral Fitzroy's announcements of his anticipations of the weather, and his offer was gladly accepted –

Mr. Buchan had received a letter from J. F. S. Gordon, D.D., Glasgow, expressing a wish to become a member of the Society, at a subscription of 5/. The Council agreed to his request & his admission to be intimated as usual.

The Council agreed that a sum of not over £4.10/ should be contributed towards the printing of ~~Professor Balfour's~~ Mr. Johnston's paper on the Gulf Stream & ~~Jamaica~~ read before the Society in January last.

The Chairman directed attention to a Rain Gauge submitted by Mr. Elliot of Walflee. After a conversation on the subject it was agreed that, while the Council declined to ~~recommend~~ adopt the Gauge referred to, yet as it had the recommendation of cheapness, Mr. Buchan might bring it under the notice of persons applying to him for information as to Rain gauges, along with other Rain gauges.

Sir John S. Forbes to be written to, with a request that he take the Chair at the coming half yearly Meeting, the President being to be in England at the time.

Mr. Buchan reported his progress in the preparation of the Paper he had been directed, at the Meeting on 18th. January last, to prepare and said he hoped to be able to finish his paper before the middle of June.

Mr. Buchan was ~~dire~~ requested to prepare a Schedule for the Marquis of Tweeddale's curious forge, and to submit it to Mr. Stephens before its being printed.

Meeting of Council, in the Society's Chambers, on 3rd June 1862, at 2 P.M.—

Present—
Mr Milne Home—in the Chair—
Mr Hoppens—
Mr Stevenson—
Mr Johnston—
Major Hay—
Mr Core—
Dr Scoresby Jackson—
Mr James Leslie—

The Meteorological Society—
The Treasurer—

The Minutes of last Meeting, held on 27th May last, were read, and found correct—
The Treasurer's Accounts for the past year, as audited by Mr Johnston, Honorary Secretary and Auditor to the Society, were submitted and considered, and passed—

The following Gentlemen were named as those to be suggested to the Half yearly Meeting for election to fill up the two vacancies in the Council—Professor Allman, Mr Bowerie Primrose, Mr Charles Lawson Junr, and Mr Thomas Ivory—Mr Gibson to communicate with these Gentlemen in succession—

The Chairman submitted the Report which he purposed, on the part of the Council, to lay before the Half yearly Meeting tomorrow — It was unanimously approved —

The Chairman suggested that after Mr. Buckham should have finished the Paper on which he is now engaged he should take up the Returns made to the Marquis of Tweeddale's Enquiries ~~of~~ Agreed to —

The Treasurer was directed to address a reminder to the Members in Arrear of Subscriptions —

~~The means of attracting the Farming Interest to the Society's Operations, and inducing them to join the Society, were spoken of, and Mr. Stephens agreed to consider the subject, and to prepare some statement of the Society's objects, with a view to circulation among them —~~

Meeting of Council, in the Society's Chambers on 19th June 1862, at 2 P.M. -

Present - Mr Milne Home - in the Chair -
Mr Stephens -
Mr Cox -
Mr Leslie -
Mr Johnston -
Major Hay -
Professor Balfour -

The Meteorological Secretary -
The Treasurer -

The Minutes of last Meeting of Council, held on 3d. instt, were read, and found correct -

The Treasurer reported that Mr Bouverie Primrose and Mr Charles Lawson Junr. had agreed to join the Council, if elected -

The Meteorological Secretary submitted the Paper which he had been directed to prepare, on the Climate of Scotland, as determined by Temperature - Those Members of Council who had had an opportunity of reading more or less of the Paper expressed themselves so favorably of it that it was agreed that it should form the bulk of the next Quarterly Report, or, if needful, the whole of the Report, with the usual Abstract of the Accounts, List of the Members of Council, and a notice to the Members of the

Society relative to payment of Members' Subscriptions, which last was submitted, in Dft. by Mr. Johnston and approved —

The Treasurer submitted a Circular which he was in course of circulating among those Members whose Subscriptions were at present in Arrear —

The Chairman submitted a Letter which he had received from Admiral Fitzroy, dated 9th. curr't., in which he says, inter alia, "I am "exceedingly obliged to you for having done so much "in supporting me besides the system in which "I am a workman — The Memorial so kindly "proposed may be very useful just now"; "if it "only states, in general terms, that you approve "of the Warning Signals, and desire their con: "tinuance —" and also a Dft. Memorial to The Board of Trade with reference to the Storm Signals, which was approved, and ordered to be transcribed, and duly transmitted, after being subscribed by Sir John Stuart Forbes, as Chairman of the late half yearly Meeting —

Thomas Stevenson

Meeting of Council, in the Society's Chambers, on 7th October 1862, at 2 P.M.

Present - Mr. Stevenson - in the Chair, in absence of the Convener -
Mr. Johnston -
Mr. Cox -
The Meteorological Secretary, who mentioned that the Treasurer was in the Country, and so could not be present at this Meeting -

The Minutes of last Meeting of Council, held on 18th June last, were read, and found correct -

The Meteorological Secretary submitted the Paper which he had been directed to prepare, on the Returns which were made in competition for The Marquis of Tweeddale's prize of last year - It was agreed that this Paper appear in the Report for the Quarter ending June 1862, along with the following -

Mr. Glaisher's Letter to the Times, on his Balloon Ascent -

The Temperature on the West Coast of Scotland -

Supplementary Stations. { Roseneath and Newburgh not accepted - Glenquoich - to lie over for further Consideration - Burntisland and Aberdour - recommended, but final decision to be deferred till next Meeting - Aberdeen-Grammar School - accepted - }

Mr. Buchan was authorized to attend a Class from 11 to 12 o'clock, he giving attendance

in the Society's Chambers from 12 to 4 o'clock — and to intimate these hours by a ticket at the door of the Chambers, as had been previously done —

The Secretary mentioned that the following parties had intimated their wish to join the Society —

Mr. Alexander, St. Vincent Street —

James Douglas Esqr. of Cavers —

William Thompson Esqr., Seafield House Leith —

Revd. William Barrack, Rector of the Grammar School, Aberdeen —

Alexander Beverly Esqr., Grammar School, Aberdeen —

The Chairman proposed that each should be admitted a Member, and each was admitted accordingly —

The Secretary reported that the Memorial to the Board of Trade, referred to in the Minutes of last Meeting, had been duly forwarded by Sir John Stuart Forbes, and its receipt acknowledged —

Meeting of Council on 29th October 1862, in the Society's Chambers, at 2 P.M.

Present — Mr Milne Home — in the Chair —
Mr Keith Johnston —
Mr Cox —
Dr Scoresby Jackson —
Mr Miller —
Mr Hope —
Mr Cunningham —
Mr Stevenson —

The Minutes of last Meeting were read, and found correct —

Mr Johnston read a Letter he had received from The Marquis of Tweeddale relative to the mode of paying the Amount of the Prizes offered by His Lordship, and it was agreed that His Lordship should be requested by Mr Johnston, to remit the Amount to the Treasurer, to be handed by him to the successful competitors — £5 — to each —

New Stations — Glenquoich — Offer of fee to be accepted ~~if before arrangements as to Instruments satisfactory~~ Chairman to communicate with Mr Ellice as to a Hygrometer for this Station. Drishaig — near ~~Fort William~~ Oban — Mr M. Dougall accepted as an Observer —

Burntisland & Aberdour — Letter from Revd Mr Forbes read — A Station at each of these places was

agreed on. The Rev^d. Mr. Forbes to be Observer at Burntisland, and the Teacher of the Free Church School at Aberdour to be the Observer there—

Instruments— Maxim. Thermometer to be sent to Mr. Forbes, and Hygrometer, and Max. & Mini. Thermometer, and Box, to the Teacher—

Station at Edin^r.— The Chairman reported that the Instruments were being repaired, with a view to their being set up in the Castle—

General Meeting in Jan^y next— D^r. Jackson was requested, and agreed, to read a paper on Meteorology in its relations to Public Health ~~the influence of Climate on health especially in its meteorological aspect~~—

Circular, with a view to add to the number of Members— The Chairman, Mr. Stevenson, Mr. Johnston, and Mr. Cunningham, were named as a Committee to consider the whole of this subject; and a Circular which had been prepared by the Treasurer was remitted to them—

Subject for next Quarterly Report— Number of raining days in different Districts— amount of Cloud—D^o.— and hours of sunshine—D^o.—

Mr. Johnston said ~~that~~ he understood that willingness had been expressed by the Managers of the Normal School at Moray House, Canongate, to make Meteorology a subject for instruction among the more advanced pupils

in that Institution; and Mr Johnston was requested to follow out any steps requisite toward the Society's having the benefit of such an accession of Observers as might be had among the Pupils trained by the Normal School referred to.

Meeting of Council, in the Society's Chambers, on 26 November 1862, at 2 P.M.

Present — Mr Milne Home — in the Chair —
Mr Johnston —
Major Hay —
~~Mr Cox~~ — Dr Scoresby Jackson
Professor Balfour —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting, held on 29th ult., were read, and found correct —

The Chairman read a letter from Mr Ellice (in answer to one he had written to him as requested at last Meeting) agreeing to what was asked of him as to a Station at Glenquoich —

An intimation was made of Mr Stephens's inability to attend — also of Mr Cunningham's —

The consideration of the Dft Circular, prepared by Mr Milne Home, was taken up — Mr Milne Home apologized for not having called the Committee appointed at last Meeting ~~together~~ before this Meeting. The fact of the appointment of the Committee had escaped his memory — While approval, generally, was expressed of the Dft Circular, several alterations were suggested; and, at the request of the Chairman, the whole subject was remitted back to the Committee appointed at last Meeting —

The following Gentlemen were reported as having requested that they might be proposed as Members of the Society—

As Life Members—

John Miller Esq. of Leithen—

William Rankin Esq., M.D., Otter Island—

Mr. David Dun, Baldernie, Dunning—

Each having agreed to pay Five Pounds—

As Ordinary Members—

Robert Scott Moncrieff Esq. of Fossaway—

James D. Grant Esq., Advocate, for Dr. Machat

Dr. Macgown, Millport, Greenock—

David Smith Esq., Birmingham, F.R.A.S.,
63 Bloomsbury Street—

Minutes of Committee of Council on the proposed Circulars, held in the Society's Chambers on 13th December 1862 –

Present – Mr Cunningham – who, as requested, took the Chair, in the absence of Mr Milne Home, who was prevented from attending –
Mr Johnston –
Mr Stephens, who, at the request of Mr Milne Home, had been invited to attend this Meeting –

The Meteorological Secretary –
The Treasurer –

The proposed Circulars ~~in for~~ ~~relative~~ were taken under consideration, when the following alterations were agreed upon as to be recommended for adoption –

That the place of Meeting for the Half yearly Meetings of the Society should be the Hall of the National Bible Society No. 5 St Andrew Square, which could be had at a trifling charge from 5/. to 8/. p Meeting –

That the hour of the next Half Yearly Meeting should be Two o'clock –

Meeting of Council, in the Society's Chambers, on 22d. December 1862, at 2 P.M.

Present – Mr. Milne Home – in the Chair –
Mr. Stephens –
Professor Balfour –
Mr. Core –
Dr. Mitchell –
Mr. Johnston –
Mr. Cunningham –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting of Council, held on 26th. ultto., were read, and found correct – as were also the Minutes of the Committee held on 13th. instt. – and the recommendations therein were adopted –

The Chairman made a verbal Report on the Paper which Mr. Buchan had prepared with a view to its forming part of the next Quarterly Report, and expressed his strong approval of it –

Revd Francis Redford, St Paul's Par-
:sonage, Silloth, Carlisle, proposed, by Profr Balfour, as a Member —

Mr Buchan proposed Revd Robert A. Gray, Public Mathematical Teacher, Academy, Aberdeen —

and the Treasurer, on behalf of Dr Mackay, proposed Mr Dalgleish Junr, Grange House Academy —

These Gentlemen were, severally, una-
:nimously elected Members of the Society —

It being mentioned that the Marquis of Tweeddale could not be present at the ensuing half Yearly Meeting, owing to his absence in England, it was agreed on that Sir John Stuart Forbes, as Vice President of the Society, shd be requested to take the Chair on that occasion — Mr ~~Buchan~~ Milne Home to write him —

Station at Cortachy

An offer by the Earl of Airlie to establish a Station at Cortachy was accepted, His Lordship to supply the instruments —

It was agreed on that following members
of Council should go out in rotation,
viz. Mr Miller of Leithen —
Professor Balfour, &
and Mr Leslie —
and that the following Gentlemen
be requested to join the Council —
Mr Elliot of Wolflee —
Professor Wilson — Agriculture —
Mr McLaggan of Pumpherston —

Meeting of Council in the ~~Society's Chambers~~ No. 5 St Andrew Square, on 14th. January 1863, at half past One, P.M. –

Present – Mr. Milne Home, in the Chair.
Sir John Stuart Forbes. Bart –
Mr. Stephens –
Mr. Cunningham –
Major Hay –
Professor Balfour
Mr. Miller of Leithen –
Mr. Johnston –
Mr. Core –
Dr. Mitchell –
Mr. Leslie –
Dr. Jackson –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting, held on 22d. ulto., were read, and found correct –

Mr. Milne Home submitted to the Meeting the Report by the Council which had been prepared by him for the Half Yearly General Meeting about to be held. The Report was approved –

The Chairman mentioned that Mr. Elliot of Wolflee, Mr. McLagan of Pumpherston, and Professor Wilson. had agreed to be proposed to the Half yearly Meeting as Councillors

in

room of the Members who retire in rotation.—

The Treasurer reported that since the issue of the Circular prepared by Mr. Milne Home the following parties had intimated their wish to join the Society, Vizt.—

As ~~Ordinary~~ Members—

The Right Honble Lord Binning—

Dr Lauder Lindsay, Perth—

Charles Maitland Christie Esqr of Durie—

David Carnegie Esqr, Banker, Perth—

Robert S. Newton Esqr, Kerse, Falkirk—

Mungo Campbell Junr Esqr, Glasgow—

Thomas Ogilvy Esqr of Corrimony, Inverness shire—

Robert Hutchison Esqr of Carlowrie—

Charles Tennant Esqr of the Glen, Peeblesshire—

Thomas Miller Esqr, Thar Brothers, Edinburgh—

A. Forbes Esqr Drummond, ~~Esqr~~, Inverness—

Thomas Greig Esqr of Glencarse—

~~Major B~~

Robert Allan Esqr., Sharebroker, Edinburgh -
Major Hope Smith, Cruickfield, Dunse -
David Stevenson Esqr., Civil Engineer, Edinburgh -
James Aitchison Esqr. of Alderston -
Revd. R. Tyas, Kingsley Parsonage, Frodsham -
Moses Stevens, Bellahouston, Glasgow, proposed by ~~Professor~~ Wilson
as Life Members -
John Miller Esqr. of Leithen -
William Rankin Esqr., M.D., Otterstone -
These Gentlemen were old ordinary Members -
Archibald Ogilvie Esqr. of Old Liston -
~~[illegible]~~ J. H. Erskine Wemyss Esqr. of Wemyss, M.P. -
Ordinary Mr. Alexander Reid, Optician, South Bridge -

Thanks voted to Mr. Guthrie, late of Carbeth Guthrie, for his valuable "Meteorological Register 1817-1859" -

The next subject to be taken up by Mr. Buchan for the Quarterly Report to be Underground Temperature -

Arrangements were made for the Half-yearly Meeting about to be held -

It was agreed that, as soon as it should be practicable, the Life Donations should be funded -

Mr. Tennent of the Glen's offer to establish a Station at the Glen, was accepted - he to supply the Instruments -

Meeting of Council, in the Society's Chambers, on 16th March 1863, at 2 P.M. –

Present – Mr Milne Home – in the Chair –
Mr Stephens –
Major Kay –
Mr Cox –
Walter Elliot Esqr –
Mr Bouverie Primrose –
Captn Thomas –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting, held on 16th January last, were read, and found correct –

The Chairman submitted the paper which had been prepared by the Meteorological Secretary, on Underground Temperature, and proposed that, as it appeared to him to be susceptible of condensation, ~~that~~ it should be remitted to Mr Stephens for adjustment – This was agreed to – The Chairman also directed attention to a Diagram which he had had prepared, with a view to its insertion in the next Quarterly Report, if the Council should approve, on the weather of Scotland in Summer 1862 – It was approved for insertion – as was, also, a Meteorological Table for 1862, compiled from the Daily Register kept at Inveresk, submitted by the Chairman –

16th March 1863 –

Mr Buchan was directed to prepare a Paper on the subject of Sea Temperatures, with a view to its publication in an early Quarterly Report, when Captn Thomas's Reports should be completed, if not sooner – Captn Thomas expected these Reports to be completed in a year, or thereabouts –

The Treasurer reported that since last Meeting of Council the following Gentlemen had intimated their wish to join the Society, viz:

as ordinary Members –

Mr J. W. Burns, as a Life Member –

J. G. Hedale Esqr of Melsetter –

~~William Brown Esqr~~ John Gordon Esqr of Cluny –

Archibald Jerdon Esqr, Jedfoot House, Jedburgh –

George A. Haig Esqr, Maulesden, Brechin –

Patrick Rankin Esqr, Otter House –

W. S. Macdonald Esqr, Fairyknowe, Ecclefechan –

James Alexander Esqr, Leslie, Fife –

J. W. Laidlay Esqr, Seacliff House –

S. W. Silver Esqr, London –

David S. Moncrieff Esqr, W.S. –

James Coxe Esqr, M.D., Commissioner in Lunacy –

John Cox Esqr, Gorgie –

George Tweedie Stodart Esqr of Oliver –

5/- James Christie Esqr, Hailes –

John Macpherson, Athens, Tarbet, Loch Fyne –

William Mathw. Fraser Esqr of Durnavaca, Kincardine O'Neil – 41 Albany Street –

Dr Murray Thomson, 8 Infirmary Street –

F. Galton Esqr, London –

All admitted, on the motion of the Chairman –

Mr Buchan stated that a wish had been expressed by Mr J. W. Burns, Cardross, that a Station of the Society should be established at Cardross on Clyde – and that a similar wish had been

expressed

expressed by Mr Fraser of Tornaveen, for a Station there - Mr Buchan was directed to correspond with both Gentlemen, and to report at next Meeting -

The Treasurer submitted a Letter, dated inst, which he had just received from Mr Ogilvy of Corrimony, and Mr Buchan was directed to correspond with him also, and to consider whether a Station at Corrimony (in Invernessshire) might be desirable -

A conversation took place on the subject of Raingauges - and Captn Thomas offered to send for examination a Raingauge which he had been using, and which, he thought, deserved attention -

It was agreed that the subject to be taken up by Mr Buchan for the Quarterly Report for March 1863 should be a Comparison of the Temperature of England and Scotland -

A conversation took place with regard to the great desirableness of Observations made at the various Lighthouses in Scotland being accessible to the Society; but it was ~~understood that considerable difficulty would be~~ agreed that this subject be deferred, for consideration when Mr Stevenson might be present -

Meeting of Council, in the Society's Chamber, on 16th. June 1863, at Two P.M. —

Present — Mr. Milne Home — in the Chair —
Mr. Hope —
Mr. Cox —
Dr. Scoresby Jackson —
Mr. McLagan —
Major Hay —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting, held on 16th. March last, were read, and found correct —
The Chairman mentioned that, as intimated in the Circular calling the Meeting, the more immediate purpose for which he had called it was the making of preparations for the approaching half yearly Meeting of the Society — He reminded the Meeting that the day of Meeting of The Highland Society had always been kept in view in fixing the day of meeting of this Society;

10 June 1863 -

It was agreed that the Meeting should be held, in the Museum of the Highland &c. Society, on 24th instant (that being the day of election of the Highland &c. Society) at twelve o'clock. The Council to meet at half past eleven.

The Treasurer mentioned that the following had, since last Meeting of the Council, intimated a wish to be admitted as Members of the Society, viz. -

Lord Henry Ker, Huntley Burn, Melrose.
Mr. Du Boulay, Sandgate, Kent - £1. - -
~~Francis Galton Esq., F.R.S., 42 Rutland Gate, London~~
James Bright Esq., 13 Ainslie Place - £1. -
William Blackwood Esq., Publisher, 45 George St. - £1. -
Sir John Maxwell of Pollok, Bart. - £1. -
Abercromby Dick Esq., Comrie Castle - 10/6
Abercromby R. Dick Junr. Esq., Advocate - 10/6
John G. Everett Esq., Chemist, Kirkwall - 5/.
John Scott Moncrieff Esq., C.A. - 5/.
Mr. Robert S. Tait, 9 Queensferry Street - 5/.

Each of these Parties was, on the motion of the Chairman, admitted a Member of the Society, in terms of the Laws of the Society –

The Treasurer suggested whether, especially looking to the recent addition to the number of the Members of the Society (upwards of seventy since the Meeting of the Society in June last, subject to deduction owing to the decease or resignation of other Members), it would not be advisable to print a List of the Members, to be issued along with the next Quarterly Report – no printed List having been issued since March 1861 – Agreed to, if there should be room –

List of Names to form last Circular not sent –

Mr Buchan exhibited a Rain Gauge which had been sent to him by Captn Thomas, as had been promised by that Gentleman at last Meeting of the Council –

Rain Gauge –

The Treasurer read a letter, dated 8th May, which he had received from Mr D. M. Smith, a Member of the Society, containing suggestions as to means for increasing the number of Members of the Society – It did not appear to the Meeting that these means were likely to be of avail at present –

Mr Smith's Letter –

Authority was given to advertise the Prize offered by the Marquis of Tweeddale for the present year –

Mr Buchan mentioned, as the result of his correspondence with Mr Ogilvy of Corrimony, Mr Hay, Cadboll, and Mr Fraser of Tornaveen, that a Station had been established, and Observations were being taken, at each of these places –

£14
2

196

5.

10 June 1863 –

The Treasurer mentioned that, as Mr. Johnston who was Auditor of the Society, had not yet returned from a tour to the Holy Land &c., and might not return ~~in time~~ soon enough to audit the year's Accounts in time for his Report's being laid before the Council prior to the Half yearly General Meeting, it was desirable that a Member of Council should be requested to examine the Treasurer's Accounts in the event of Mr. Johnston's return being postponed. Mr. Stevenson, ~~and~~ it was agreed, should be requested to undertake this duty –

Meeting of Council, in No. 5 St. Andrew Square, on 24th June 1863, at half past eleven, A.M.—

Present—David Milne Home Esqr.—in the Chair—
The Most Noble The Marquis of Tweeddale—
Sir John Stuart Forbes, Bart.—
Henry Stephens Esqr.—
Dr. Jackson—
Mr. Keith Johnston—
Mr. Cox—

The Meteorological Secretary—
The Treasurer—

The Minutes of last Meeting, held on 10th inst., were read, and found correct—

The Chairman submitted to the Meeting the Report which he had prepared for the Half yearly Meeting, which was approved—Mr. Johnston agreed to move the approval of the Report, in the General Meeting—

The Financial Abstract for the past year, which in the continued absence of Mr. Johnston, and as Mr. Stevenson happens to be otherwise particularly engaged, Mr. Milne had kindly examined and docqueted, was on the table—

24th. June 1863 –

English Competitors for the Marquis of Tweeddale's Prize – to be allowed –
~~Palaeotherium~~ –

Mr. Buchan mentioned that two Gentlemen resident in the North of England had written to him on the subject of the Prize at present offered by the Marquis of Tweeddale, and that he would be glad to be instructed as to whether the Competition was to be considered as open to Gentlemen who were not resident in Scotland – His Lordship, being referred to, said that he had no intention of restricting the Competition to Persons resident in Scotland, and Mr. Buchan was instructed to intimate, to the Gentlemen he had mentioned, accordingly –

The Treasurer mentioned that since last Meeting of Council the following Gentlemen had intimated a wish to be admitted Members of the Society –

Dr. Bruce Bremner, Streatham House, Morningside –
Pillans Scarth Esqr., W.S., Leith –
Thomas S. Lindsay Esqr., Accountant, Edinburgh –
Peter R. Murdoch Esqr., Long Bank, Newton Mearns –
James B. Murdoch Esqr., 27 Virginia Street, Glasgow –

On the motion of the Chairman each of these Gentlemen was admitted a Member of the Society –

Letter from Admiral Fitzroy to the Chairman as to weather warnings on the Continent –

The Chairman laid on the table a Letter which he had received from Admiral Fitzroy, relative to the modes followed on the Continent for obtaining and publishing prognostics of the weather –

24th. June 1863 –

Mr. Johnston mentioned that, when in Syria lately, he had endeavoured to take means for procuring Observations on the Meteorology of Syria, which, it was well known, were a great desideratum; and that he was glad to say that he had met with two Gentlemen who, he had every confidence, were fully competent to act as accurate Observers, and had kindly undertaken the duty, viz., Dr. Chaplin, Jerusalem, and Mr. Rogers, British Consul at Damascus. The cordial thanks of the Council were given to Mr. Johnston for his zealous and successful efforts toward the advancement of Meteorology in a Country as to which informa:tion was so peculiarly wanted by Scientific men –

Meeting of Council, in the Society's Chambers, on 3rd July 1863, at Two o'clock, P.M.

Present — David Milne Home Esqr. in the Chair
James Cunningham Esqr.
Dr. Scoresby Jackson
Mr. Core
Mr. Johnston

The Meteorological Secretary
The Treasurer

The Minutes of last Meeting of Council, held on 24th ulto., were read, and found correct.

The Chairman mentioned his having revised the Quarterly Report about to be issued, so far as already prepared and arrangements were agreed on as to what other matter should be em:braced in the Report.

The subject which Mr. Buchan should next take up was then considered, and it was agreed that the Rainfall in Scotland, for the six years to January 1863, should be the subject next taken up, and he was requested to keep

in view an investigation of the character of the different Seasons of the year, beginning with the Quarterly Report after next one -

It was directed that
the Rain Gauges formerly submitted by Mr Stevenson and ~~by Mr Stevenson~~ Captn. Thomas, should be sent by Mr Buchan to Mr Symons, with his answer to Mr Symons's Letter to the Chairman, dated 25 ulto. -

The next subject considered was the furnishing of Instruments to the Observers at Damascus and Jerusalem - On Mr Johnston's recommendation it was agreed that the Instruments should be sent by way of Liverpool, ~~addressed~~ to

- The Instruments to consist of Barometer, Thermometer, Hygrometer, and Rain Gauge (Mr Stevenson's) -

The Treasurer mentioned that since last Meeting of Council the following Parties had intimated their wish to be admitted Members of the Society, viz. -

As a Life Member -
Kenneth Mackenzie Esqr., C.A. Edinburgh -

As Ordinary Members -
James Pillans Esqr., late Professor of Humanity in the University of Edinburgh -
Miss Baillie (Polkemmet) Manor House, Linlithgow -
William John Aitchison Esqr., 10 Archibald Place -
James

3 July 1863 -

James Gibson Thomson Esqr., Wine Merchant, 14 York Place - to pay a Guinea -
On the motion of the Chairman each of these parties was admitted a Member, in terms of the Rules of the Society -

It was agreed that a new Rain Gauge (at 3/6) should be furnished to the Observer at Girvan, from whom the one formerly sent to him had been stolen -

~~A letter from Mr Galloway, Ardrossan, was read to the Meeting, the subject being an offer of Meteorological Observations made at Pau, Basses Pyrenees - Dr Jackson mentioned that he expected to be at Pau very shortly, and offered to carry any instruments which the Council might agree to send for use there -~~
see

Weatherwise Sayings, & Dr Mitchell's Letter -

The Chairman mentioned what had passed between the Marquis of Tweeddale and himself as to the publication of the List of proverbial ~~sayings~~ weather prophecies, Sayings and Dr Mitchell's Letter regarding it, and that they had agreed that both should be published in the Edinburgh Philosophical Journal - ~~Mr Buchan was directed~~ the Chairman kindly agreed to write to Dr Mitchell, mentioning what use was proposed to be made of his Letter and the List -

The Chairman read a Letter received by Mr. Buchan from Mr. John Galloway, Ardrossan, dated 20th ulto, ~~recommending~~ suggesting correspondence with Mr. E. Smith, Thebes, an American Gentleman with whom Mr. Galloway had met when in Egypt last Winter, and whom he had understood to say that he had made Observations for some years, and who, he had no doubt, would be willing to furnish the Society with Copies of his Observations should they be wished — Mr. Galloway asked, also, whether Observations made at Pau, Basses Pyrenees, would interest the Society, and mentioned that a friend of his resident at Pau takes them for his own amusement — Mr. Buchan was directed to write to Mr. Galloway, thanking him for his communication and requesting that ~~he~~ he would procure, for the Society, from his friend at Thebes, a copy of the Observations taken by him there, which would be much prized by the Council — As regards Pau, Mr. Buchan was directed to ~~mention~~ request Mr. Galloway to mention the name of his friend there, ~~and~~ as Dr. Scoresby Jackson, a Member of the Council, expected to be there in the course of a month, and had kindly agreed to communicate with Mr. Galloway's friend on the subject mentioned in Mr. G.'s Letter —

Meeting of Council in the Society's Chambers, on 16th. September 1863. at Two P.M. —

Present. Mr. Milne Home — in the Chair —
Henry Stephens Esqr.
Dr. Mitchell —
Mr. Cox —
Mr. Stevenson —
Dr. Jackson —

~~The Meteorological Secretary~~ —
~~The Treasurer~~
The Minutes of last Meeting, held on 3d. July last, were read, and found correct.

The Chairman mentioned that he had requested Admiral Fitzroy, who kindly agreed, to send to the Observers at Damascus and Jerusalem, ~~a Hygrometer and two Thermometers~~ 2 Barometers, to each of the places; ~~and that~~ which the Mers ~~instruments~~ had been ~~sent~~ forwarded from this Society, by Mr. Buchan — [and that these Instruments were accordingly been sent]

Thanks were voted to Adml. Fitzroy

As regards Pau, Dr. Scoresby Jackson who had lately visited Pau, reports that while there he had not an opportunity of communicating with Mr. Galloway's friend, owing to that gentleman's absence from Pau at the time —

Mr Buchan reported that, during a late tour in the West Highlands &c, he had visited the following Stations of the Society, viz. — Balfour, in Fife — Balloch Castle, Lochlomond — Tyndrum, in Loch Dochart — Oban — Iona — Callton-Mor — Greenock, Paisley, and Aberdour — ~~also Burntisland and Aberdour~~ and the observations which had occurred to him in the case of each, and the directions he had given in consequence — These were approved by the Meeting —

The Treasurer reported that, since last Meeting of Council, the following Parties had intimated a wish to be admitted Members of the Society, and, on the motion of the Chairman, they were unanimously admitted, viz. —

As Life Member —

William F. Blair Esq. of Blair, Captain, R.N.	£5.–.–
Professor Swan, St Andrews	5.5.–
John Ramsay Esq. of Kildalton, Islay	5.5.–

As Ordinary Member —

Colonel McDonell of Logan	£1.–.–
Colin G. Campbell Esq. of Stonefield, Tarbet	1.–.–
Edward L. I. Blyth Esq. Civil Engineer, Edin.	1.1.–
The Honble George D. Dalrymple, Ellieston House, St Boswells	1.–.–
John Deans Esq., Hedderwick Hill, Dunbar	1.–.–
W. R. Muir Esq., 18 Picardy Place	.5.–
William Gordon Davidson Esq., Inspector General of Hospitals, Retired List, Madras Army	2.–.–

14th September 1863 —

Major Genl. Balfour, Artiglands — £1. 1. –
William Chan Esqr. of Craigielands, Moffat — £–. 5. –
Professor Gamgee, Edinburgh — –. 10. –
Miss Farquharson, 31 Stafford Street — –. 5. –
John Murray Esqr. of Wooplaw, Melrose — –. 10. –
John Smith Esqr., 25 Main Street, Aberdeen — –. 5. –
David Donaldson Esqr., ~~Rector~~ Free Normal School, Glasgow — –. 10. 6

Mr. Cox was requested, and agreed, to prepare a paragraph for the Newspapers, noticing the chief matters that have been before the present Meeting, and with a List of the names of the Parties admitted, as Members, at this Meeting.

Arrangements were made as to what were to form the contents of the forthcoming Quarterly Report. The printing of a list of the whole Members of the Society to be deferred in the meantime.

[Margin: These to be inter alia a paper by Mr. Buchan on the Rainfall in Scotland; and an additional communication from the Chairman on the difference of the [illegible] Weather in [illegible] and in Britain —]

Mr. Buchan to acknowledge receipt of a communication from Professor Piazzi Smyth, relative to the coming Meeting of the Social Science Association ^to be held next month^, and to say that the Council gladly agreed to avail themselves of his suggestion; and directions were given as to the carrying ^of it^ out ~~of his suggestion~~.

[Margin: Society's assisting in the conversazione to the ~~[illegible]~~]

[Margin: Among other things, some of the Society's Instruments, Schedules, and Diagrams, to be exhibited on the occasion.]

Mr. Buchan reported that Prof. Piazzi Smyth had complained of the defectiveness of the late ^Barometrical^ Returns from the Station at Daymouth Castle, and that he himself had been in correspondence with the Observer on the subject. Directions were given as to the steps for rectifying what was complained of.

The Treasurer to write to Mr. Malcolm of Poltalloch, expressing the pleasure the Council felt through Mr. Buchan's report of his visit to ~~that~~ Station at Castle Moy, and of the kindly readiness with

which Mr. Malcolm adopted any suggestions he offered ~~and that~~

On the suggestion of Dr. Jackson, who brought the subject, in detail, before the Council, a Committee was appointed to consider the expediency of the Society's taking means for having Observations taken at Foreign and British Sanitaria, of Meteorological facts, toward the promotion of Medical Climatology, as a Science – The Committee to consist of Dr. Mitchell, Mr. Stevenson, Mr. Johnston, and Dr. Jackson – Dr. Jackson to be Convener – Report to be laid before next Meeting of Council –

A conversation took place on the subject of the collection of Weather prognostics recently made by Dr. Mitchell, and the expediency of having the collection published, separately from its appearance in the Philosophical Journal; and Mr. Buchan was desired to confer with Professor Balfour on the subject in order to the Society's obtaining 200 copies, or thereby, of it. Dr. Mitchell kindly agreed to cooperate with Mr. Buchan on the whole subject –

Mr. Buchan laid on the table the only two Returns which had been made under the Marquis of Tweeddale's offer of two Prizes for Observations on the difference between drained and undrained Land in their produce, in Hill and Level situations – these Returns having been made by Mr. Sarock, North Esk Reservoir, and Patrick Rankin Esq. Otter House –

Meeting of Council,
in the Society's Chambers,
on 8th October 1863, at 2 1. P.M.

Present –
Mr Stephens –
Mr Johnston –
Mr Cunningham –
Dr Jackson –
Mr Cowe –
Dr Mitchell –

The Meteorological Secretary –
The Treasurer –

Mr Buchan mentioned that the Chairman had requested him to make his apology for his absence from this Meeting through his absence from Town – Mr Stephens was called to the Chair –

The Minutes of last Meeting, held on 14th ulto., were read, and found correct.

Mr Johnston read to the Meeting letters which he had received from the Observers at Jerusalem and Damascus. The Meeting was gratified by the interest in the objects of the Society manifested by each of these gentlemen; and Mr Johnston kindly agreed to arrange for a more careful transmission of Instruments to the East – a Mercurial Maximum ~~Barometer~~ Thermometer having been broken, of those lately sent – one to be sent, in its place –

Mr Johnston read, also, a letter from Major Ilay, at present at Westport House, Co. Mayo, in Ireland, dated 6 ult., holding out the prospect of his being able to furnish information, to some extent, on the ~~Meteoro~~ Rainfall ~~logy of~~ in the district ~~of~~ of Ireland where he now is.

He also read a communication from The Marquis of Tweeddale, dated 19th ult. – suggesting that, in addition to the simple record, by the Society's Observers, of the direction of the wind, and in order to make their Returns more useful, some information should be given as to any hills in the neighbourhood of the Station, that might cause local currents different in direction from the general currents in the atmosphere. It was agreed ~~that~~ on the suggestion of Mr Stephens, and toward carrying out His Lordship's ideas, that the Society's Observers be requested to furnish to Mr Buchan a notice of the Physical Geography of their Stations, in cases where it may appear requisite ~~as opportunity offers~~.

Mr Stephens, with reference to what passed, conversationally, at last Meeting, said that he had inquired of Messrs Blackwood whether they might be disposed to undertake the sale of the Society's Quarterly Publications, and that they had signified their willingness to do so. The subject was delayed till next Meeting.

Dr Jackson ~~mentioned~~ requested permission to delay till next Meeting the Report of the Sub-Committee appointed at last Meeting to consider the means of promoting Medical Climatology. Leave was granted, and Mr Cunninghame was added to the Sub-Committee.

The subject for next Quarterly Report was then taken up, and it was agreed that the subject should be deferred for consideration at next Meeting, to be held on an early day.

Pittenweem. Mr Buchan mentioned that the Observer at Pittenweem had been affected by ~~paralysis~~ serious illness, and would, he fears, be unable to continue his valuable services.

Mr Baxter 18/ [illegible]
Mr Thomson 1/[illegible]

Mr Buchan was directed to express to him the Council's sympathy, and their best thanks for the services

request that he would kindly give the Council the benefit of his advice in the appointment of a successor to him as Observer

he has rendered to the Society, ~~and~~ with a

The Treasurer mentioned applications for admission to the Membership of the Society on behalf of —

Sir James Fergusson of Kilkerran, Bart.	£1.-.-
John Galloway Esqr., Ardrossan —	-.10.-
Edmund Baxter Esqr., W.S. —	-.10.-
Robert J. Thomson Esqr., Grange, Kilmarnock —	-.10.6

Meeting of Council, in the Society's Chambers, on 12th October 1863, at 12, noon –

Present – Mr. Milne Home – ~~in the Chair~~ –

Sir John Stuart Forbes Bart. – in the Chair – and afterwards Mr. Milne Home,

Mr. Stephens –

Mr. Cunningham –

Dr. Jackson –

Mr. Cove –

Mr. Johnston –

Dr. Mitchell –

Mr. Elliot –

Mr. McLaggan –

The Meteorological Secretary –

The Treasurer –

Present, further, Prof. Rogers, of Glasgow –

Present, also, Mr. Rathbone, Chairman of the Association of Underwriters of Liverpool –

Before proceeding to the ordinary business, Mr. Rathbone (who had happened to call at the Chambers just as this Meeting was assembling, and been asked to remain for a few minutes' conference) was heard on his views as to how the operations of this Society might be made practically available for behoof of the Mercantile interest in Liverpool and other Seaports – A conversation on the subject of this Report took place, when ~~it was agreed that~~ a general approval of

See 2d page after –

the Report was expressed — A very full discussion of the whole subject followed — and the following Sub-Committee was appointed, ✕ ~~Convene~~ to consider a proposed change in the form of the Society's Quarterly Publication, with the probable expense attending it, and all other matters connected with the proposed addition to the Society's Receipts — ~~It was agreed~~ ✕

✕ the Chairman, Mr. Johnston, Mr. Stephens, Dr. Jackson and Mr. Keith, Mr. Johnston Convener —

The Minutes of last Meeting of Council, held on 6th. inst., were read, and found correct —

Mr. Milne Home read a letter from Major Cowell, who has accompanied His Royal Highness Prince Alfred to Scotland, and to whom he had been presented at the Conversazione given to the Social Science Association by the Senatus of the University on 8th. inst., intimating His Royal Highness' purpose of visiting the Society's Chambers and inspecting their Collection of Instruments &c., and that ~~due~~ notice of the time fixed by His Royal Highness would be duly given. This Communication was received with much pleasure by the Meeting, and directions were given for a due reception of His Royal Highness —

~~Change of Premises~~ —

~~Balmoral~~.

Dr. Jackson submitted the Report of the Sub-Committee on British and Foreign Medical Climatology as a Science — It was agreed that an amount of space not exceeding one third of the Society's Quarterly Publications should be put at the disposal of the above Sub-Committee —

✕ that a sum not exceeding ~~£~~ [illegible] guineas toward Dr. Jackson's preliminary expenses, he having agreed to begin, forthwith, to make observations on the Climatology of selected Foreign Stations & Winter —

The subject for next Quarterly Report was then taken up, when Mr. Stephens read a Memorandum which he had prepared, in which he suggested that the subject of next Quarterly Report should be a Tabulated arrangement of the Observations on the Maximum and the Minimum Temperature during the growing Months of the last seven years, as recorded in the Society's past Quarterly Reports — A conversation took place, Professor Rogers taking part in it, which resulted in its being agreed on that the subject should be Mr. Buchan should make a Tabulated Statement of the Extremes of Temperature during each week of the Eight growing Months of the year, during the last seven years, deduced from the Society's past Monthly Returns —

A conversation took place, which resulted in Mr. Rathbone's kindly undertaking to forward to the Secretary a description of the Self-registering Barometer used in the Liverpool Observatory, to-gether with Specimens of Diagrams shewing the Observations made with Self-registering Instruments, which give for every instant the weight of the air, the direction and force of the × wind, and the Rainfall. Mr. Rathbone also stated that Curves showing all the important elements of the weather for the previous three Months at Nairn, Penzance, Galway, Yarmouth and Liverpool, are constantly exhibited in the Liverpool Exchange, and that thus some valuable results regarding the prediction of the ~~weather~~ coming weather have already been arrived at —

The Treasurer was directed to look out for new Chambers for the Society —

~~Special~~ Meeting of Council, in the Society's Chambers, on 19th October 1863, at half past Eleven, A.M. –

Present – Mr. Milne Home – in the Chair –
Dr. Scoresby Jackson –
James Cunningham Esqr. –
Mr. Core –
Mr. Johnston
Mr. Stephens –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting of Council, held on 12th inst., were read, and found correct, after adjustment –

The Chairman ~~referred~~ to the Notice of this Meeting intimating that the chief object for which it is held was the considering of certain new premises as Chambers for the Society – Rooms in the "Law Chambers" in the Life Association's new premises in Prince's Street were spoken of – but they were thought liable to objection, and it was remitted to Mr. Johnston, Mr. Cunningham, and Mr. Buchan, to make inquiry of Mr. Matheson of Her Majesty's ~~[illegible]~~ Board of Works, as to whether accommodation might not be had

in the new part of the Register House, or elsewhere in one or other of the Public Buildings in Edinburgh, and otherwise to consider the whole subject, and report to a future Meeting of Council —

The Chairman intimated that Sir John Stuart Forbes had agreed, at his request, to ~~read~~ deliver an ~~Paper~~ Address at the coming General Meeting in January — and that ~~the~~ The Marquis of Tweeddale had ~~agreed~~ written to him that if he should receive a day's notice, he would willingly attend on the occasion of the expected visit of His Royal Highness Prince Alfred —

Dr Jackson mentioned his having seen, in the Proceedings of the British Meteorological Society ——— a notice to the effect that, on payment to that Society, of Two pounds ten shillings, a set of Instruments might be had, and he suggested that it might be of advantage to this Society to adopt a similar practice — The consideration of the subject was deferred —

Taken in as in next page —

~~Mr Johnston laid before the Meeting a minute of a Meeting, ~~reported verbally from the~~ held on 13th inst. of the Sub-Committee appointed at last Meeting, ~~that~~ a Meeting had been held on 13th inst, when Messrs Blackwood's Manager, who had been requested to attend, ~~was~~ was present, and he~~

Philip Ley
Greenlaw ? Cottage,
Mr. Rathbone, of Liverpool, was unanimously elected a Member of the Society, in terms of his letter to Mr. Buchan, of 10th inst. — £2.—.—
The following Gentlemen were also admitted Ordinary Members of the Society, viz.: —
George F. Barbour Esqr. of Bonskeid — .5/.—
Professor Martin, of Aberdeen — —.5.—
~~David A. Keen. Esqr., Johnston Lodge, Laurencekirk~~

Mr. Johnston laid before the Meeting a Minute of a Meeting, held on 13th inst., of the Sub Committee appointed at last Meeting of Council, to consider of arrangements for the proposed change in the form &c. of the Society's publications, at which Mr. Simpson, Messrs. Blackwood's Manager, was present, as requested. also a Letter, dated 13th inst., from that gentleman on behalf of Messrs. Blackwood, putting in writing what he had verbally mentioned to the Meeting as the terms on which Messrs. Blackwood would publish the Society's Transactions. The Minute and Letter were agreed to, and Mr. Johnston was authorised to accept of Messrs. Blackwood's terms, as contained in the Letter referred to, for publication of the Society's Works — and he was requested further to intimate to them that the Secretary would, in the course of a day or two, place in their hands the New Series and Back Numbers of the Society's Transactions, with a request that they would advertise these as for Sale, as soon as possible.

Meteorological Society of Scotland.

Minute of meeting held at 4 St. Andrew Square, 13th October 1863.

Present - Mr. Milne Home, Mr. Stephens, Mr. Gibson, Mr. Buchan & A. Keith Johnston, Convener. Mr. Simpson attended the meeting on the part of the Messrs. Blackwood.

It was remitted to the Committee to take into consideration the propriety of altering the form of the publication of the Society's transactions, with a view to give effect to the contemplated addition of "a Medical department." To secure the advantage of a first rate publishing house for the sale of its journal, and to manage the collection and payment of any such advertisements as may be offered for the cover of each quarterly part.

The committee took up the matters in the following order.

First. Size. On this subject it was found that the tables furnished by the Registrar General so fixed the size of page that no change could be contemplated except the addition of about half an inch to the breadth of the paper, in order to improve the shape of the journal.

2. It was agreed that the type, in all the matter except the tables, should be larger - small pica - was suggested. The advantage of this would be to extend the bulk, and, at the same time, add to the usefulness of the work.

3. That it would be desirable to fix the price of each quarterly part at 2/6 - with a view to encourage membership by offering an equivalent for annual Subscription. Mr. Simpson was of opinion that, considering the expensive nature of the printing - tabular matter and diagrams - this price would not be too great; and that no advantage could be expected from

a low priced journal the sale of which must necessarily be limited to those taking an interest in Meteorology. This opinion was supported by the prices charged for other similar journals, produced to the meeting, especially the quarterly publications of the British Meteorological Society the charge for which varies from 2/- to 3/6 — in proportion to the amount of matter. It was consider:ed that from 40 to 50 pages would be a fair average, if the price were fixed at 2/6 - and in a similar pro:portion if a fluctuating price were agreed on.

4 Mr. Simpson calculated that the advertisements which might reasonably be expected would at least pay the expense of a handsome cover for the journal.

5. The Committee, agreeing generally to the verbal state:ment of Mr. Simpson as to the mode of conducting the publication and the charge for Commission, agreed to put into the hands of the Messrs. Black:wood the Report now printed for the quarter end:ing 30th June 1863, as well as the stock of back num:bers in possession of the Secretary, with a view to their assuming the transfer of the publication to them:selves.

6. It was considered ~~advisable~~ desirable, for the purpose of pro:ducing several vols. of the journal that the first number of the (the) new publication, embracing Medical Meteorology, should be issued on the 1st. of January 1864, and that Dr. S. Jackson should ~~be~~ requested to prepare an introductory essay, explaining the objects of the department under his care, for that number.

7. Subsequently, on the same day, the Messrs. Black:wood submitted a statement of their terms for publishing the journal which is here appended.

8 At a meeting of Council held on the 19th. October

it was agreed that the terms offered by the Messrs Black:wood should be accepted by the Society. Mr Keith Johnston was authorised to intimate this to them, and to request that they would immediately announce as published the new papers to be put into their hands by the Secretary.

It was suggested that the quarterly publication should be entitled "The Journal of the Meteorological Society of Scotland."

9. It is understood, altho' not fully expressed in the letter of the Messrs Blackwood, that the society undertake the preparation and printing of the Journal, which is to be handed over to the Publishers in a condition ready for sale.

Copy

45 George Street,
Edinburgh, 13th October 1863.

Dear Sir

In order to prevent misapprehension I hereby put down what I intended as the terms upon which I offered at the Meeting of the Com. of the Meteorological Society to day that Messrs Blackwood should publish their Transactions.

The publications are to be held by us on Sale or Return twice a year, in Feby & August, we shall render a statement of our Sales and pay for the same at a reduction of 32½ per cent from selling price & the 25th Book. The advertisements we may receive for the publications of the Society are

at same time to be accounted for by us less a Commission of 10 pr. Cent from the amount paid to us by the advertisers.

You must hold your Printer liable, for the production to you of a receipt for all deliveries to us.

I am, Dear Sir,
for W. Blackwood & Sons,
Yours faithfully
(Signed) Geo. Simpson.

A. Keith Johnston Esq.

Copy

Edinburgh
4 St. Andrew Square
19th October 1863.

Dear Sirs,

At a Meeting of Council of the Meteorological Society of Scotland held this morning I was authorised to accept of your terms for ~~the~~ publication of the Society's works as contained in your letter addressed to me of date 13th inst. I am further desired to intimate that the Society will ~~place in your hands~~ in the course of a day or two, place in your hands the new papers and back numbers of the Society transactions which you will please to advertise for sale as soon as possible.

I am, Dear Sirs,
Yours truly,
(Signed) A. Keith Johnston
Hon. Sec.

Messrs. Blackwood & Sons,
Publishers.

Meeting of Council, in the Society's Chambers, on 30th October 1863 – at 2 P.M. –

Present – The Marquis of Tweeddale in the Chair –
Mr. Milne Home ~~in the Chair~~
Mr. Stephens –
Mr. Cunningham –
Mr. Johnston –
Dr. Scoresby Jackson –

~~Dr.~~ Meteorological Secretary –
The Treasurer –

Captain Speke, the well known African discoverer, was also present during part of the proceedings –

The Minutes of last Meeting, held on 8th. inst., were read, and found correct –

Mr. Milne Home mentioned that, as stated in the Circular calling this Meeting, ~~that~~ the chief subject for consideration was the endeavours to obtain better Chambers for the Society, and that there seemed to be grounds to hope that accommodation might be granted in the new part of the Register House. He read to the Meeting a Memorial which he had prepared with a view to its being addressed to Sir William Craig, as Lord Clerk Register, who, he

he was informed, was the proper Party to whom application fall to be made for the use of any part of the Register House. The Memorial was unanimously adopted; and The Marquis of Tweeddale kindly agreed to subscribe it on behalf of the Society. The following Gentlemen were ~~were~~ requested to act as a Deputation for waiting on Sir William Gibson Craig, with the Memorial, should that mode of presenting it be adopted. Vizt., Mr Milne Home, Mr Bouverie Primrose, Mr Johnston and Mr Cunningham.

The Treasurer mentioned that the following Gentlemen had, since last Meeting, expressed a wish to be admitted as Members of the Society, Vizt. David A. Fraser Esqr., Johnston Lodge, Laurencekirk. £.10.-
T. Herbert Baxter Esqr., M.A., Bedford .10.-
On the motion of Mr Milne Home, these Gentlemen were unanimously admitted Members of the Society.

The subject of the publication of the Prize offered by The Marquis of Tweeddale for Scientific Explanations of the Weather Prognostics collected by Dr Mitchell, was then taken up, and Mr Milne Home submitted a Draft Advertisement which he had prepared, announcing the Prize. It was approved, and directions were given for its due insertion in the Newspaper.

Mr. Buchan reported that he had made inquiry as to the prices at which parties applying to the Society for Instruments would be furnished with them by Opticians in Edinburgh, and exhibited a list of such prices. Mr. Buchan was authorised to give any assistance in his power to parties who might apply for Instruments, taking care to guard against the Society's incurring any risk in connection with such transactions.

Dr. Jackson mentioned that he was already in correspondence with Medical Gentlemen on the subject of his department, and he laid on the table a copy of The Medical Times and Gazette of 11th inst., containing a favourable notice of this Society's new department.

Mr. Milne Home mentioned that he had had a call from Major Cowell, who intimated to him that His Royal Highness Prince Alfred purposed calling at the Society's Chambers at four o'clock this day, and Mr. Home suggested the desirableness of The Marquis of Tweeddale's being present on the occasion, he himself having agreed to undertake the explanation of the Diagrams, Instruments, &c., to His Royal Highness. The Marquis of Tweeddale agreed to be present, as did the Members of Council attending this Meeting.

The Meeting accordingly was adjourned till four o'clock –

The Meeting having resumed it's sitting at four o'clock, His Royal Highness Prince Alfred, and His ~~Serene~~ Grand Ducal Highness Prince William of Hesse, accompanied by Major Cowell, with the proverbial punctuality of the Royal Family, arrived precisely at that hour; when they were received by The Marquis of Tweeddale, as President of the Society, and by Mr Milne Home, as Chairman of the Council, and the other Members of the Council present – Their Royal and Grand Ducal ~~Serene~~ Highnesses remained during fully half an hour, in the course of which time Mr Milne Home gave as elaborate an explanation of the objects of the Society, and of the Instruments, Diagrams, Schedules, &c, in use for the Society as the time admitted of – Dr Jackson, also, exhibited and explained Diagrams, illustrative of the influence of Climate, and Weather, on the Health of the Community – In all these subjects their illustrious Auditors manifested a due interest; and they expressed themselves as being much gratified by their visit to the Society

Meeting of Council, in the Society's Chambers, on 14 December 1863, at 2 P.M.

Present Mr. Milne Home - in the Chair -

Mr. Stephens -
Mr. Cunningham -
Mr. McLaggan -
Dr. Jackson -
Mr. Cox -

The Meteorological Secretary -
The Treasurer -

The Minutes of last Meeting, held on 30th October last, were read, and found correct -

Mr. Milne Home reported the unfavourable result of an interview the Deputation named at last Meeting had had with The Lord Clerk Register as to accommodation for the Society in the New Register House or other of the public Buildings in Edinburgh - and, subsequently, read a Memorial which he, after consultation with The Marquis of Tweeddale, who had agreed to subscribe it on the part of the Council, had prepared for presentation to The Lords of Her Majesty's Treasury - The Memorial was approved, and directed to be transmitted to their Lordships -

The Meeting then took up the consideration of the Materials for the forthcoming (First) Number of the Society's Journal - He reported that he had consulted with Messrs. Johnston as to the probable expense of engraving, for the Journal,

The Meeting accordingly adjourned till four o'clock –

The Meeting having resumed it's sitting at four o'clock, His Royal Highness Prince Alfred, and His ~~Serene~~ Grand Ducal Highness Prince William of Hesse, accompanied by Major Cowell, with the proverbial punctuality of the Royal Family, arrived precisely at that hour; when they were received by the Marquis of Tweeddale, as President of the Society, and by Mr. Milne Home, as Chairman of the Council, and the other Members of the Council present – Their Royal and ~~Serene~~ Grand Ducal Highnesses remained during fully half an hour, in the course of which time Mr. Milne Home gave as elaborate an explanation of the objects of the Society, and of the Instruments, Diagrams, Schedules, &c., in use for the Society, as the time admitted of – Dr. Jackson, also, exhibited and explained Diagrams, illustrative of the influence of Climate, and Weather, on the Health of the Community – In all these subjects their illustrious Auditors manifested a due interest; and they expressed themselves as being much gratified by their visit to the Society

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Gladstone Case (25)

Renwick — A.B. Shand Jr.
Cook,
Fowle, & Mr Ste-
venson

Miller

B.B. Hope ~~Ramsay~~

Miller

Cook 89

[illegible]

On the motion of Mr. Miller of Leith, it was agreed that, so soon as practicable, the Council should cause a capital fund to be formed out of the Contributions of the Life Members of the Society —

Wd. Mr. Gibson be kind enough to let the reporter see the report & the state of the funds to make an abstract from them —

a Map which he had had constructed, exhibiting the Isothermals of the British Isles for January, July, as a mean of five years ending 1861; and though the Meeting felt regret that the cost should be so considerable, yet, looking to the probable future usefulness of an Engraved (Skeleton) Map such as the one contemplated, it was agreed that the proposed arrangement with Mess^rs. Johnston should be carried through — the £15, the contemplated cost, being to be stated to Capital, and written off to Income, say for Each of the coming three years — ~~and it was agreed on that the~~

The Treasurer mentioned that the following Gentlemen had applied for admission as Members, since last Meeting of Council —

As Life Members —

Robert Macfie Esq^r. of Airds — £5 —

John Macfie Esq^r, 14 Hope Terrace, Whitehouse — £5 —

As Ordinary Members —

Sir Edward Colebrooke of Crawford, M.P. —

John Henry Esq^r., S.S.C., Edinburgh —

Stevenson Macadam Esq^r., Ph.D., Edinburgh —

× Admiral Ramsay — Ainslie Place —

~~Robert Ma~~ R. A. Macfie Esq^r., of Mess^rs. Macfie & Sons, Moorfields, Liverpool —

× Dr E. M^c Bean, Whitby, Yorkshire — Wh

M^r. Buchan mentioned that the remaining Copies of the Society's Quarterly Reports, &c., had been handed over to Mess^rs. Blackwood, as decided at last Meeting; also that the whole arrangements with Mess^rs. Blackwood, as formerly agreed on, had been carried through —

It was agreed that a List of the Members of the Society should be printed with the first No. of the Society's Journal —

It was resolved that the lowest Annual Subscription accepted from New Members should be Ten Shillings.

Mr. Milne Home proposed that the Society's Rules should be extended, so as to embrace an Honorary Membership, to be conferred on distinguished Foreigners and other persons who might encourage Meteorological Science — and it was agreed that the subject should be submitted to the approaching General Meeting of the Society.

It was agreed that the following Members of the Council should be those who should go out in rotation at next General Meeting, viz: — Professor Wilson, The Lord Provost, and Major Hay — and that the following Gentlemen should be proposed for election at the General Meeting viz: Dr. Christison, Admiral Ramsay, and Sir John McNeill, G.C.B.

Mr. Milne Home presented to the Society six Maps, and papers which he had prepared for the illustration of a lecture which he had delivered, lately.

The cordial thanks of the Council were voted to him for the gift.

The Chairman mentioned his having received a letter from Sir John S. Forbes, intimating that the subject of his proposed address at the approaching Half Yearly Meeting would be the ~~History~~ Progress of Meteorology since the formation of this Society.

The Council ~~directed the Sec~~ ~~requested and~~ authorized the Secretary when intimating to ~~him His Royal Highness~~ Prince Alfred his Election as Honorary Member, to present ~~transmit~~ to× ~~him~~ ~~at the same time~~ a copy of the Quarterly Reports of the Society for the last 3 years inclusive, ~~to be~~ bound in Blue Morocco & Gold and ~~expect His Royal Highness~~ at the same time to ask whether His Royal Highness wd desire to ~~acceptance of the Volumes~~ have the future Quarterly ×

× His Royal Highness,

× Reports of the Society transmitted to him

The Council also ~~authorized~~ agreed that in intimating to the other Honorary Members, and to each of the Corresponding Members, their respective Elections, copies of the two first numbers of the Meteorological Journal shd be sent to them — and that they shd be asked whether they wd desire to have the future Reports of the Society transmitted to them —

Meeting of Council, in the Society's Chambers, on 5th January 1864, at 2 P.M. —

Present — Mr. Milne Home — in the Chair —
Walter Elliot Esqr. —
Henry Stephens Esqr. —
James Cunningham Esqr. —
A. Keith Johnston Esqr. —
Dr. Scoresby Jackson —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting, held on 14th ulto., were read, and found correct —
Mr. Milne Home stated that, as intimated in the Notices, the chief business to be taken up at this Meeting was the making arrangements for the Half-yearly General Meeting falling to be held during the present month — and that, in the view of that Meeting, he had prepared a Report from the Council, the Draft of which he laid on the table — He read it to the Meeting, and it was unanimously approved, and adopted —
It was resolved that the Half-yearly General Meeting should be held on Thursday, the 21st January, at One P.M., in No. 5 St. Andrew Square

Minutes of a Meeting of the Finance Committee of the Scottish Meteorological Society, held in Mr Cunningham's House, 50 Queen Street, on 25th May 1864, at 3½ P.M.

Present – Mr Milne Home – in the Chair –
Mr Stephens –
Mr Cunningham –
Dr Jackson –

The Meteorological Secretary –
The Treasurer –

Mr Milne Home drew the attention of the Meeting to the Notes which he had prepared, and to certain additions which he had made since these Notes had been circulated among the Members of the Committee – A lengthened conversation took place on the whole matters embraced in the Notes, when it was agreed on that a Meeting of the Council should be called for Tuesday next, in the Council's Chambers, at 2 P.M. –, when a Report was to be laid before the Council –

Mr Kerr of Fatelaw Kelso £1.1.– Dr Bryce of Dalkeith & Life Member at £5 – and Dr P. H. Watson at 10/6 – Mondays at 2 & 3 on Monday to be avoided.

Adjourned –

Sederunt 19th. Jany 1865 –

Besides Council –

Major Hay, Linton Lodge –
Dr. Baikie –
Captn. Thomas, R.N. –
George Tytler Esqr. –
Dr. Key, Portobello –
J. W. Mackie Esqr. –
4 Ladies –
W. Rhind Esqr. –
Dr. Jameson –
Robt. Tennent Esqr., Edr. –
M. F. ~~A~~ Ogilvy Esqr.
W. H. Mein Esqr.
Dr. Brenan –

and the requisite arrangements were made.

Dr. Jackson read to the Meeting a letter which he had received from Mr. Rathbone, Liverpool, dated 31st. ulto. ~~and laid on the table~~

~~Result of Meeting with Lord Clerk Register, and transmission of Memorial to Treasury.~~

Dr. Jackson also submitted a letter, dated 19th. ulto., which he had received from Mr. Smith, Jersey.

~~Genl. Mg. to be held on 21 Jany. in St. Andrew Square, at one P.M.~~

The Treasurer reported that since last Meeting of Council the following parties had expressed a wish to be admitted Members of the Society—

Sir James Gardiner Baird, of Saughton Hall, Bart. £1. –
Alexander Cruickshank Esq., A.M., Aberdeen – .5. –
Alexander C. Stuart Esq. of Eaglescairnie — 1. –. –
Dr. Sanderson, 17 Clarmont Crescent — 1.1. –
Lawrence Mc.Ewen Esq., Ormesby Iron Works, Middlesborough — .5. –
The Venerable Archdeacon Bissett, of Lessendrum – 2. –. –

Each of these Gentlemen was, on the motion of Mr. Milne Home, unanimously admitted a Member of the Society—

The Treasurer mentioned that, as directed at last Meeting, the Memorial to the Lords of the Treasury had, after being subscribed by the Marquis of Tweeddale, been duly transmitted to the Secretary of the Treasury.

Meeting of Council, held in the Society's Chambers, on 21st. January 1864, at half past twelve.

Present — Mr. Milne Home — in the Chair —
The Most Noble The Marquis of Tweeddale —
Major Hay —
Mr. Cunningham —
Mr. Johnston —
Dr. Mitchell —
Mr. Elliot —
Mr. Stephens —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting of Council, held on 5th. instant, were read, and found correct —

The Chairman ~~mentioned~~ stated that he had called this Meeting of Council lest any matter might require the Council's attention prior to the Meeting of the Society about to be held, and he mentioned the arrangements which had been made for that General Meeting; inter alia, that, in consequence of the continued detention in London of the Lord Provost, an old Member, and steady friend, of the Society, the ~~Report~~ approval of the Council's Report, and of the relative Resolutions, would be moved by Professor Campbell Swinton, and seconded by Sir

James Gardner Baird –

The Treasurer reported that since last Meeting of Council, Sir James Cope had expressed a wish to become a Life, instead of an Ordinary, Member of the Society, and his wish was unanimously agreed to – also that the following Parties ~~Gentlemen~~ had applied for admission as Ordinary Members of the Society, viz:–

~~William Crombie, Esq.r of Glenormiston, and~~

Le Marquis de Chateauvieux, Chateau de Choulle, pres Geneve, Suisse – £3.–.–

The Right Hon.ble Lord Walden } £2.–.–
Tester House

Each of these Gentlemen was, on the motion of the Chairman, admitted an Ordinary Member of the Society.

~~Alexander J. G. ... Solicitor of ...~~

The next subject to be taken up by M.r Buchan was fixed on as to be a Continuation of his Reports in the Academy Journal, so as to include the whole of the vegetative period of the year –

Meeting of Council, held in
the Society's Chambers, on
11th March 1864, at 2 P.M. –

Present –
David Milne Home Esqr. – in the Chair –
Admiral Ramsay –
Mr. Stevenson –
Mr. Cunningham –
Mr. Cox –
Mr. Johnston –
Dr. Jackson –
Captn. Thomas –
Mr. McLaggan –
Dr. Christison –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting, held on 21st January last, were read, and found correct.

The Chairman mentioned that his object in calling the present Meeting was that the Council might consider and adjust what is to appear in the next Number of the Journal, &c. – And he detailed the preparations which Mr. Buchan had been making for it, and exhibited the materials proposed to be used – These were approved, and directions were given accordingly –

The Chairman read a letter which Principal Forbes had addressed, to the Honorary Secretary, ~~a letter~~ in the following terms, "115 George Street, Edinburgh, 16 Feby 1864. Dear Sir, You will recollect that I was one of the earliest Subscribers to the Meteorological Society &c. –

and the Council expressed great gratification at the receipt of the letter –

The Treasurer reported that since last Meeting of Council the following Gentlemen had announced their wish to become Members of the Society, viz. –

As Life Members –

R. A. Macfie Esqr., ~~[illegible]~~ Ashfield Hall, Neston Cheshire

William Ferguson Esqr., 2 St. Aidan's Terrace, Birkenhead –

Principal Forbes, University of St. Andrews –

As Ordinary Members –

James P. Falkner Esqr., Solicitor, Supreme Courts –

Revd. Mr. Bonar, D. D., Kinghorn –

Richard Kidston Junr. Esqr., Glasgow –

P. A. E. J. Smith Esqr., Allerbeck, Ecclefechan –

James Baird Esqr. of Auchmedden, proposed by Elias Cathcart Esqr. of Auchendrane –

Each of these Gentlemen was, on the motion of the Chairman, elected a Member of the Society –

Dr. Jackson made a Report from the Sub-Committee on Medical Climatology – and on what the Committee proposed for insertion, relating to their Department, in the next No. of the Journal, which was approved – Dr. Jackson suggested the expediency of the publication, in the Journal, of a Periscope of information, ~~of a lighter description~~, on matters of a scientific nature, especially connected, more or less, with Meteorology and Medical Climatology – The suggestion was approved, and its carrying out was committed to the Sub-Committee of which Dr. Jackson is Convener –

The Chairman quoted, from the Council's Report to the Half-yearly Meeting in January last, the New Regulations as to the admission of Honorary and Corresponding Members of the Society, and referred particularly to the privilege given to the Council, by the Half-yearly Meeting, of admitting ~~to~~ these Members – It was agreed, unanimously, that that privilege should be exercised with all due consideration – As regards Corresponding Members, the following names were suggested for consideration at next Meeting of Council, viz –

~~His Royal Highness Prince Alfred~~

Directions were | And as Honorary Members the following names were suggested, viz^t.—
His Royal Highness Prince Alfred—
General Sabine—
Dovey | Rear Admiral Fitzroy, Sir John Herschel, Professor Dovey, Professor Quetelet, D^r Buys Ballot, Commander Maury, Confederate Navy—

The Chairman reported that, when in London lately, he had communicated with the Authorities as to accommodation, for the Society's Business, in the ~~New General Post Office~~ Government Buildings, and that he had strong hopes of success— And the hearty thanks of the Council were offered to the Chairman for his good offices in this and in every other matter connected with the progress of the Society—

It was resolved that the present Chambers should be retaken, at the present Rent, and on the present conditions, for the Year from Whitsunday next—

Mr Stevenson exhibited a Box which he had had prepared, with Louvre Boards, for containing the Instruments in use by Observers, and which could be furnished at a much moderate cost (probably not more than 10/.) than those generally in use— and suggested a notice, in the outcoming Number of the Journal, that such boxes might be had at the cost mentioned, or thereabouts—

It was agreed on that a Rain Gauge should be sent to Portree, Skye, so as to afford means of comparison with the Instruments at Portree and Mossbank, in that Island—

Raingauge -

Iceland - A Letter from Mr Richd. Smithe Leith, was submitted, and it was agreed that three Copies of the Journal should, as requested, be forwarded to him, for Observers in Iceland mentioned in his letter -

A letter was read from Professor Piazzi Smyth, returning thanks from Mr Leverrier, of Paris, and himself for Extracts from the Society's ~~which~~ Schedules ~~which had been sent to them,~~ and which had been published by Mr Leverrier in the Bulletin International of 28 February 1864 -

A Form of Intimation of Election was agreed on, and directed to be lithographed by Messrs Johnston - to be signed by Mr Johnston, as Honorary Secretary -

Meeting of Council, in the Society's Chambers, on 23rd March 1864, at two P.M. —

Present — Mr. Milne Home — in the Chair —
Mr. Stephens —
Mr. Hope —
Mr. Cox —
Mr. Cunningham —
Dr. Mitchell —
Mr. Stevenson —
Mr. Johnston —

The Meteorological Secretary —
The Treasurer —

Apologies. The Chairman stated that he had called this Meeting, as mentioned in the Circular, for the purpose of arranging the names which should be selected for Election as Honorary and as Corresponding Members of the Society —

The Minutes of last Meeting, held on 11th inst., were read, and found correct —

The Chairman mentioned, in detail, the considerations which had induced him to suggest for Election as Honorary Members of the Society the names which he had mentioned at last Meeting, and the Meeting, cordially concurring with the Chairman in his estimate of the ~~great scientific~~ merits of the Parties he had proposed, unanimously elected each to be an

Honorary Member of the Society - Their names are as follows -

The Chairman then proceeded in the same way as regarded the Gentlemen whose names he had suggested for Election as Corresponding Members of the Society, viz:

~~Each of these Gentlemen was also unanimously Elected a Corresponding Member of the Society -~~

~~The Chairman undertook to communicate to His Royal Highness Prince Alfred through Major Cowell, his Election as an Honorary Member of the Society, and Mr. Johnston was requested to intimate the his Election to each of the other Gentlemen who had now been elected -~~

The Chairman directed attention to the great cost of printing the first number of the Society's Journal, and stated that it was evident that so heavy an Expence could not be borne by the Society's Funds, as the incurrence of debt could not be avoided were a reduction not to be made, in the way of diminishing the Amount of Matter, or otherwise. A conversation took place, in course of which various suggestions were thrown out, with a view to the diminution of the Expence of producing the Society's Quarterly publications, and the Society's other Expences - and Mr. Buchan was directed to give Effect to these

As regards the present state of the Society's Funds, the Chairman suggested that The Union Bank should be requested to allow the Treasurer to overdraw the Society's Account with them to the extent of One hundred pounds; — This was agreed to; and the Chairman was requested, and agreed, in conjunction with the Treasurer, to arrange matters with The Union Bank accordingly. And the following Gentlemen were requested to act as a Committee, to examine the Accounts now rendered against the Society and report the financial matters of the Society — Viz. ~~Mr Johnston~~ The Chairman, Mr Stephens, Mr Stevenson, and Dr Jackson — the Chairman Convener —

The Chairman communicated, as a gratifying evidence of the way in which the Society was being looked to by ~~the~~ the public as a source of information on practical matters connected with the Atmosphere &c, a report from Mr Buchan detailing various instances in which he had been referred to for evidence in Law Suits and otherwise —

On the motion of the Chairman, William Corbett Bevan Esq. F.R.~~S~~. Astronomical, Clifton, was unanimously elected a Member of the Society — Ann. Subscription to be 10/. —

Meeting of Council, held in the Society's Chambers on 31st March 1864, at three, P.M.

Present — Mr Milne Home in the Chair —
Rear Admiral Ramsay —
Mr Hope —
Mr Cunningham —
Mr Core —
Mr Elliot —
Mr Johnston —
Dr Jackson —
Mr Stevenson —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting of Council, held on 23rd inst., were read, and found correct —

The Chairman mentioned his reasons for calling ~~together~~ the Council together so soon after last Meeting — and his having found that, as he had understood, from Major Cowell, that the usage was to ascertain, in cases where honors were proposed to be conferred on any Member of ~~a Society, first of all, the willingness of the~~ The Royal Family, first of all, the willingness of the Party to be proposed for such honor to have ~~it~~ conferred on him; and he read a letter which had been received from Major Cowell in answer to one which had been addressed to him, inquiring what might be His Royal Highness' mind on the subject. It is in the following terms. "Holyrood Palace. 29 March 1864.
"Sir

"Sir, I have the honor to inform you in reply to your
"letter of this day's date, that His Royal Highness,
"Prince Alfred would have much pleasure in accepting the Compliment
"which the Members of the Scottish Meteorological Society are desirous of
"Conferring upon him, by enrolling His Royal Highness' name upon the
"List of Honorary Members, I have the honor &c, Sir, Your most Obedient
"humble Servant (signed) J. C. Cowell - A. Keith Johnston Esqr, Secretary."
The Council expressed their gratification at the receipt of this letter, and unanimously elected His Royal Highness the first Honorary Member of the Society—

The matter to be embraced in the forthcoming No. of the Journal was then taken up, and a conversation took place as to whether, and to what extent, that No. should be curtailed in its amount of matter, and in its Price. It was ultimately agreed on that 40 pages of matter should ~~be given in~~ not exceed the said next No., and that its price should be 2/6d. It was further resolved that 40 pages should be the amount of matter to be contained in future Nos. of the Journal, unless otherwise directed—

The Treasurer mentioned that Mr. Muir Mackenzie of Preston had intimated a wish to become a Life Member, instead of an Ordinary Member of the Society as he had long been, and, on the motion of the Chairman, he was unanimously elected a Life Member accordingly—

On the motion of the Chairman the following Gentlemen were appointed a Committee to investigate the Financial State of the Society, viz., The Chairman, Admiral Ramsay; Mr. Stevenson, Mr. Cunningham & Mr. Stephens— The Chairman Convener— To report to next Meeting of Council—

It was agreed on ~~that,~~ inasmuch as several ~~it be recommended~~ ~~to~~ Members of the Society ~~that~~ have intimated a strong wish to have the benefit of paying up their Annual Subscriptions in the form of a Life Subscription; that in any such case the practice be continued of accepting a sum equal to five years' Annual Subscriptions, at the rate paid by the Member, provided that the Life Subscription, shall not, in any case, ~~however, be~~ be under Five pounds.—

The following Gentlemen were, on the motion of the Chairman, elected Advisory Members of the Society, viz. Patrick Don Swan Esq., Provost of Kirkcaldy, and Henry Bowie Esq., for the Philosophical Institution, Edinburgh.—

Meeting of Council, in the Society's Chambers, on 8th April 1864, at half past Eleven, A.M. —

Present — Mr. Milne Home — in the Chair —
Mr. Stephens —
Admiral Ramsay —
Dr. Jackson —
Mr. Johnston —

The Meteorological Secretary —
The Treasurer —

Mr. Primrose's apology — Mr. Primrose had sent an apology for his necessary absence —

The Minutes of last Meeting, held on 31st. ulto., were read, and found correct —

The Chairman mentioned the object in calling this Meeting, as intimated in the billets, and he read a communication from Major Cowell, on behalf of His Royal Highness Prince Alfred, intimating that he was pleased to say that he would receive a Deputation from the Council at a quarter before two this day. The communication is in these terms — "Holyrood Palace 6 April 1864 "Sir, I have the honour to acknowledge the receipt of "your letter of yesterday's date, and am desired by His Royal "Highness Prince Alfred, to request that you will have the "goodness to express to the Members of the Council of the Scottish "Meteorological Society, how sensible he is of the "Compliment

"compliment which has been paid to him; in electing
"His Royal Highness an Honorary Member of the Society.
"I am further desired to inform you that His Royal Highness
"will be happy to receive the Quarterly Reports to which you allude,
"at a quarter before two o'clock on Friday the 8th inst. - from any x

x "Gentlemen of the Society deputed to deliver them to him. - I have the honour to be, Sir, Your most obedient humble servant. "J. C. Cowell." addressed to "A. Keith Johnston Esqr. Hon. Secy. Scottish Meteorological Society".

The Council then proceeded to appoint a Deputation
to present the Volume of Reports to His Royal Highness,
viz. the Right Honble Sir John McNeill, G.C.B.,
The Honble Lord Neaves,
Rear Admiral Ramsay, C.B., David Milne Home
Esq. of Wedderburn, Professor Christison, Henry
Stephens Esqr., Dr. Scoresby Jackson, Alexander
Keith Johnston Esqr., the Meteorological Secretary,
and the Treasurer -

On the motion of the Chairman, Joseph Mawson
Esqr., London, ——— was unanimously
elected a Member of the Society - proposed by
Dr. Jackson -

The following was approved as the Address
(prepared by the Chairman) to be presented to
His Royal Highness Prince Alfred, by the
Deputation about to wait on him -

Meeting of Council on 31st May 1864, in the Society's Chambers, at Two P.M. —

Present — The Marquis of Tweeddale —
David Milne Home Esq. — in the Chair —
Henry Stephens Esq. —
George Hope Esq. —
Dr Christison —
A. K. Johnston Esq. —
J. H. Cox Esq. —
Dr Jackson —

Address & Vol. presented — Photograph

The Meteorological Secretary —
The Treasurer —

The Chairman reported that, as directed at last Meeting of Council held on 8th ulto, the deputation then appointed had waited on His Royal Highness Prince Alfred and presented the Address and Volume of Reports to him; and that he had received them very graciously.

The Minutes of last Meeting, held on 8th ulto, were read, and found correct —
The Chairman mentioned the object for which he had called this Meeting, and reported, from the Finance Committee, their proceedings under the Remit made to them on 31st March last — The matters submitted by him received the very earnest consideration of the Meeting, and the whole subject was, with instructions, remitted back to the Finance

Committee, that they might carry out the views expressed by the Members of Council present, and report to next Meeting – The Gentlemen present who had not already indicated such names as they might think eligible as Members, and to whom Copies of the last Circular, and of the 1st No. of the Journal, might be sent with advantage, agreed to mark the list which had been made out – and it was directed that the Lists of these names shd. be circulated among them and the other Members of Council who had not yet had an opportunity of seeing them –

On the Motion of the Chairman the following Gentlemen were elected Life Members of the Society, Viz. –

Of ~~former~~ present Annual Members of the Society,

David ~~Hugh~~ Cowan Esq., W.S. –

Richard Hunter Esq. –

George Hope Esq. –

Thomas Stevenson Esq. –

Admiral Ramsay, C.B. –

Dr. Christison –

Andrew Coventry Esq., Advocate –

Robert Morrison Esq. of Harriston –

And as ~~2~~ new Life Members

William Brand Esq. [illegible] ~~[illegible]~~ Dalkeith, and [illegible] Ker Esq. of Gateshaw, both proposed by Dr. Jackson –

and as Annual Members –

Duncan Maclaren Esq., Chairman of the Chamber of Commerce, Edinburgh – proposed by

[illegible] Lawson Jun. Esq. –
~~Dr. J. H. Watson, Hope Street~~
~~Dr. Bryce, Dalkeith~~
~~[illegible] Ker of Gateshaw~~

proposed by Dr. Jackson –

Dr. Meikle, Aberdeen –
Revd. Walter Gregor, Manse of Pitsligo, Aberdeenshire –
~~[illegible]~~

The Revd. Mr. Rust, of Slains, in Aberdeenshire, was introduced to the Meeting, by Mr. Johnston, and exhibited a specimen of a species of stone which had ~~fallen~~ been found in large quantity, along the Coast in the neighbourhood of Slains, ~~and [illegible] to some distance inland~~ and presented to the Society a small volume which he had published and a specimen of the stone on the subject. An animated conversation took place relative to such products of the Atmosphere, connected or not with volcanic Eruptions, and the thanks of the Meeting were offered to Mr. Rust for his Book and Communication –

The Treasurer mentioned that it had occurred to him that, as the number of Members of the Society resident in Glasgow appeared to be far below what might have been expected, ~~and it might be worth that~~ a special effort might with advantage be made ~~there~~ to bring the Society's claims to support under the notice of eligible parties there, he proposed, if the Council should approve, to proceed thither shortly for the purpose, taking care, of course, ~~that~~ the expense of such a journey should be kept within very narrow bounds – and that no part of it shd. be charged agt. the Society unless an addition of Members shd. result from the visit. The Treasurer was left to his own discretion in the matter –

Meeting of Council, at the Society's Chambers, on 13th June 1864, at Two P.M.;

Present—Mr. Milne Home—in the Chair—
Admiral Ramsay—
Dr. Mitchell—
Mr. Cox—

The Meteorological Secretary—
The Treasurer—

The Minutes of last Meeting of Council, held on 31st. ulto., were read, and found correct.

The Chairman mentioned the purpose for which this Meeting has been called, viz., to consider the steps to be taken ~~with a~~ in the view of the approaching Halfyearly General Meeting of the Society, and the publication of the next Quarterly Journal.

It was resolved that the Halfyearly Meeting of the Society shall be held on Wednesday the 29th inst., at One o'clock, in the Hall No. 5 St. Andrew Square. The Marquis of Tweeddale to be requested to take chair, and, failing His Lordship, Sir John Stuart Forbes.

Essays

The Chairman mentioned that Eight ~~Letters~~ had been received, under the Marquis of Tweeddale's Prize, ~~on the subject~~ explanatory of Weather Prognostics; whereof ~~the~~ two were from England, one from Norway and ~~three~~ five from Scotland -

It was agreed that a Meeting of Council should be called for ~~Tuesday~~ Wednesday the 22d inst. at Two o'clock -

The following Gentlemen were, on the motion of the Chairman, unanimously elected Members of the Society,

List of New Members to be sent to Mr. M. Stone

As a Life Member
P. B. Swinton Esqr. Gifford, Factor to The Marquis of Tweeddale - proposed by George Hope Esqr. -
And as Annual Members
Dr. A. K. Irvine, 3 Crescent Place, Glasgow; proposed by Mr. Mitchell 196 and
William Dods Esqr., Haddington; proposed by Robert Brail Esqr., Aberlady & by George Hope Esqr. -

~~A Remit was made to Mr. Johnston, as Auditor of the Society, of the Treasurer's Accounts for the past year, that he might report thereon prior to the approaching Half yearly Meeting -~~

Letters returning thanks for their election as Honorary Members of the Society had been received, and were read to the ~~Society~~ Meeting, from -

Sir John F. W. Herschell Bart. -
Professor

Professor Quetelet, of Brussels –
Dr. Ballot, of Utrecht –

Meeting of Council, in the Society's Chamber, on Wednesday 22d June 1864, at 12 noon —

Present — Mr. Milne Home — in the Chair —
George Hope Esqr. —
Dr. Keith Jackson. —
Admiral Ramsay —
Mr. Cox —
Henry Stephens Esqr. —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting of Council, held on 13th. instt., were read, and found correct —

Dr. Jackson, who was obliged to leave Town shortly after 1 P.M., requested permission to bring under the notice of the Meeting, the Report of the Medico-climatological Committee of the Council, which was adopted, and directed to be inserted in the Journal — Thanks were returned to Mr. Tayshire & Dr. ~~Jackson~~

On the motion of Mr. Hope, Alexander Scott Esq., Deanston, Haddington, was unanimously elected a Life Member of the Society.

Mr. Buchan laid on the table an Account from Messrs. Blackwood as Publishers of the Society's Journal, bringing out a balance due by them of £6.1.1d., and also an Account of their Expenses and Sales connected with "Weather "prognostics," bringing out a balance due by them of £1.12.8.

The ~~Business Committee~~ Chairman and Admiral Ramsay agreed to meet, in the Society's Chambers, on Tuesday first, at half past eleven, to audit the Treasurer's Accounts for the past year.

Letters were read from the Marquis of Tweeddale and Sir John Stuart Forbes, each expressing uncertainty as to his being able to attend the General Meeting on the 29th., and it was agreed that, in the event of neither being available, Sir John McNeill should be requested to take Chair.

Mr. Buchan reported progress in the preparation of the outcoming Journal, and the prospect of an increase to the number of Advertisements for it.

It was agreed that a Station should be established at Ballater, under Dr. Mickle, of Loch Head Hydropathic Establishment.

Meeting of Council, in the Society's Chambers, on Wednesday 29th June 1864, at half past twelve, noon —

Present — Mr. Milne Home — in the Chair —
Mr. Stephens —
Dr. Jackson —
Mr. Johnston —
Admiral Ramsay —
Mr. Cove —

The Meteorological Secretary —
The Treasurer —

The Minutes of the last Meeting of Council, held on 22d. inst., were read, and found correct —
The Treasurer's Accounts, for the Year ending this day, were laid on the table, as docquetted by the Chairman and Admiral Ramsay, and bringing out a Balance of Twenty four pounds Six Shillings and five pence half penny as in the hands of the Treasurer, to go to his Debit in his next Account —
The Chairman read a Report, from the Council, to be submitted to the Half yearly Meeting about to be held, which was approved and adopted —

On the motion of the Chairman James Richardson Esq., Coates Crescent, was unanimously elected a Life Member of the Society — and David Aitken Esq. Farmer, South Corston, Coupar-Angus, recommended by Mr. Gibb as an Annual Member. [illegible]

And, on the recommendation of Dr. Jackson, it was agreed that the following Gentlemen should be proposed to the General Meeting as Corresponding Members, viz.—

Walter K. Evans Esq., Lisbon —

Dr. Pietra-Santa, Physician ~~in Paris~~ to the Emperor of the French — in Paris —

Mr. Stephens mentioned that he had been in communication with Mr. Christopher Webster Kerr, Writer, Dundee, and that he had kindly offered to exert himself in furthering the interests of the Society — to canvass for Members, distribute the Journal, collect Subscriptions, and remit the same to the Treasurer, free of charge — The Treasurer was directed, as requested by Mr. Kerr, to transmit to him signed blank Receipts when Subscriptions should be payable —

Mr. Stephens suggested that Mr. Buchan should direct his attention to the Grain; Turnip, and Potatoe Crops of 1861, ~~62~~ and 63, with the view of ascertaining the Meteorological conditions which had determined the produce of these during the years mentioned — ~~and should report the result at a future meeting~~ —
This was agreed to —

The Chairman also suggested that Mr. Buchan's attention should be given to the subject of Storms, toward investigating that subject —

Meeting of Council.
Friday 23rd Sept 1864 at 2 P.M.

Present. – Mr Milne Home in the chair.
Admiral Ramsay.
Mr Core.
Capt Thomas
The Meteorological Secretary
Absence in the country prevented the Treasurer's attendance.

The Minutes of the last Meeting ~~was~~ of Council held on the 29th of June were read and found correct.
It was agreed that the following papers should appear in next Number of the Journal:–
1st Weekly Extreme Temperatures and Amount of Rainfall in Scotland for November, December ~~January~~ and February on an Average of Seven Years. By Mr Buchan.
2nd On the Weather Conditions which produce large Crops of Turnips and Cereals. By Mr Buchan
3rd ~~On the~~ Climate of Pau. By Dr Drewry Ottley.
4th Report of the Committee on Medical Climatology.
5th Meteorological Observations at Additional Stations.
A letter was read from Sir John S. Forbes recommending that a Station be erected at Pitsligo. The Secretary was instructed to write and say that the Council will willingly adopt Pitsligo as a Station provided Instruments be obtained by the local parties.
The thanks of the Council were given to Capt. Thomas for observations made by him on the Temperature of the Air and the Sea at Tiring during March April May and June last.
A Notice of a new form of Anemometer ~~was laid~~ by Mr Arthur Forbes was laid ~~on the Table~~ before the Meeting which was ordered to lie on

the Table for ^further^ examination.
Then on the motion of the Chairman the following noblemen and gentlemen were admitted Members of the Society:—

The Duke of Argyll
The Earl of Lauderdale
Lord Polwarth
John Gibson, Esqr of Woolmet
Charles William Cowan, Esq Valleyfield
Allan Lockhart Elliot Esqr of Clephorn
Rev. J. Chadwick Bates, M.A., F.R.A.S., F.G.S. &c
St Martin's Parsonage, Castleton Moor, near Manchester
Wm W. Watson, Esqr City Chamberlain, Glasgow
Malcolm McLennan, Esqr Pro. Fiscal, Wick
John Bisset Esq., of Bk of Scotland Bank, Paisley.
James S. Cunningham Esq, Bellevue Edinb
James Bisset Esq. Inverury

Please send the Journal to the following Address in the future.

A. McDougall Esqr, Tarbet, Arrochar. (instead of Drishaig)

Captn McTaggart of Seafield is dead.

Send no more to George Falconer, Ardgour.

David Smith, F.R.A.S. 63 Bloomsbury St London, his Address is not known to the Post Office as he has left the above.

Meeting of Council, in the Society's Chambers, on 21st December 1864, at 2 P.M. –

Present – Mr. Milne Home – in the Chair –
Dr. Scoresby Jackson –
Dr. Mitchell –
Mr. Cunningham –
Mr. Johnston –
Rear Admiral Ramsay –
Honble. Mr. Primrose –
Mr. Stephens –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting of Council, held on 23d September last, were read, and found correct –

The subject of materials for the next No. of the Journal was then taken up, when it was resolved that the following ~~should~~ go to form the Contents of No. 5 of the Journal –

1. ~~Translation~~ of a Paper, by M. Ch. Martins, on the Heating power of a ray of the Sun on high Mountains and on plains.
2. On the Luminosity of Phosphorus, and its relations with Ozone, Storms, and Disease, by Dr. Moffat, Hawarden –
3. Notice of a new Form of Anemometer, by Arthur Forbes Esqr. of Culloden –
4. Spray

21 December 1864 –

4. Sea Temperature in the West of Scotland – Observations taken by Capt. Bedford, R. N., Oban –
5. Comparison of Climates of Pau and Biarritz, by Dr. J. Attley –
6. Report of Committee on Medical Climatology –
7. Meteorological Notes and Returns of the Quarter –

Observations on Underground Temperature of Drained and Undrained ~~Land~~ Mountain Pastures, by Mr. John Garnock, were laid on the table – They are a continuation of the Observations formerly made by this Observer in competition for the Marquis of Tweeddale's Prize, not yet decided – They were ordered to be given for examination –

Reason for Mr. Buchan's not having been able to complete in the meantime the Paper ordered at last meeting –

The Chairman explained the cause of Mr. Buchan's having been prevented, in the meantime, from completing the Paper ordered at last Meeting of Council –

New Stations –

~~Ayrshire – Auchendrane~~
~~Perthshire – Deanston –~~
~~Fife – Aberdour –~~
~~Yorkshire – Ilkley~~
~~Uig, Skye. (for Rain only)~~
} ~~Accepted –~~

Mr. Seton's Commn. –

A communication from Mr. George Seton, Secretary to the Registrar General was intimated, and it was agreed that Returns may be asked for from Leith and Dundee by Mr. Buchan – if necessary – Mr. Milne Home promised to write to Lord Kinnaird as to Dundee –

~~Mr. Garnock~~

Offer to establish Stations for Observations at the following places were accepted, viz. –

Auchendrane, near Ayr –
Deanston, near Doune, Perthshire –
Aberdour, Fife –
Uig, Isle of Skye, for Rainfall only –

~~Books &c. Presented~~

~~Dr. Mitchell's paper for Genl. Mtg.~~

~~New Members~~

21 December 1864 –

The Treasurer ~~intimates~~ reported that since last Meeting of Council the following parties had intimated their wish to be admitted to the Membership of the Society, and on the motion of the Chairman, they were admitted accordingly, in terms of the Rules of the Society, viz:—

As Life Members –
The Right Honble. The Earl of Home –
William H. Forbes Esq. of Dunnottar & Netherley –
~~Charles William Cowan Esq. of Valleyfield~~

and as Annual Members –
The Right Honble. Lord Elcho –
The Honble. Lord Kinloch –
Sir James Horn Burnett, of Leys Bart. –
Sir George Ramsay, of Banff, Bart. –
W. J. Fleming Esq., Glasgow –
Alexander Harvey Esq., – Do. –
James Paton Esq. of Lethangie –
James Cooper Esq. Glasgow –
John Tennent Esq. St Rollox, Glasgow –
Archibald Douglas Esq., Mayfield, Dalkeith –
Dr. Scott, Ilkley, Yorkshire –
John Finlay Esq., Deanston –
Henry Grant Esq., United States –
Mortimer Evans Esq., Strathaven –
A. Geekie Junr. Esq., Pittowrie, Coupar Angus –
~~Dr. Lindsay, for Murray's Royal Institution, Perth~~ –
James Napier Esq., Engineer, Glasgow –
David Cook Esq., Inland Revenue, Edinr. –
James Melvin Esq., Bonnington, Ratho –
Dr. Matthew Nimmo, Dundee –
David Barry Esq., – Do. –
John Kirkland Esq., – Do. –
Christopher Webster Kerr Esq., – Do. –
Dr. Craig, Aberdeen –
J. S. Oliver Esq., 57 Princes Street, Edinr. –
Archibald Sutter Esq., C.E., Edinr. –
~~J. W. Mackie Esq., 108 Princes Street, Do.~~
~~George Harrison Esq., North Bridge, Do.~~
~~Charles Morton Esq., Hotel Do.~~

21 December 1864.

Thanks to the Edinburgh Chamber of Commerce were cordially voted, for their Donation of five Guineas —

The Memorial to be sent to the other Chambers of Commerce in Scotland —

A Videmus of the present State of the Funds of the Society was laid on the table by the Treasurer, and remitted to the Chairman, Admiral Ramsay, Mr Stevenson, and Mr Cunningham for consideration —

The Half Yearly General Meeting, it was agreed, should be held on Thursday the 19th January being the day after the Meeting of the Highland Society —

"Paper on the "Weather "Prognostics" — Dr Mitchell reported his having read over the Essays on Weather Prognostics which had been given in, in Competition for the Marquis of Tweeddale's Prize, and that they appeared to be of merit

Mr Buchan laid on the table a large number of Books which had been presented to the Society, and thanks were expressed for them, and it was directed that they should be enumerated in the intervening No of the Journal, and the thanks of the Council mentioned —

Dr Mitchell agreed to give an Address at the approaching General Meeting, the subject to be the Weather of May in its effects on health —

Meeting of Council, in the Society's Chambers, on 6th. January 1865, at 2 P.M. –

Present – Mr. ~~Hm~~ Milne Home – in the Chair –
Mr. Stephens –
Dr. Mitchell –
Captn. Thomas –
Mr. Stevenson –
Mr. Johnston –

The Meteorological Secretary –
The Treasurer. –

The Minutes of last Meeting of Council, held on 21st. ulto., were read, and found correct –

The Chairman mentioned the chief object of his having called this Meeting, as intimated in the billets, as having been the fixing the place and hour of the approaching General Meeting – and it was agreed that the Meeting should be held, as hitherto, in the Hall No. 5 St. Andrew Square, on 13th. instt., and at 2 P.M. – to be advertized in the Scotsman, Courant, and Daily Review – twice in Scotsman, and once in the Courant and Daily Review –

A Report from the Finance Committee appointed at last Meeting of Council was read to, and considered by the Meeting, in absence of Mr. Buchan – as was also a Letter which he had addressed to the Chairman on the subject of that Report, which last he had had submitted to him – And the Report, with the ~~and~~ Letter, were re-committed to the Finance Committee, for farther

consideration—

The subject of changes in the Membership of the Council was then taken up, and the Laws of the Society on the subject was read. It was directed that the following Gentlemen should be waited on by the Treasurer, with a view to its being ascertained whether they would be willing to join the Council, if elected, viz: Dr. Sanderson, Duncan McLaren Esq., and R. M. Smith Esq.; the Members who, it appeared, fell to retire, by rotation being Lord Neaves, Sir John McNeill, and Mr. Cox—

Schedules to be attended to — W. Cox — Sir John McNeill — Lord Neaves

Dr. Sanderson — Mr. Duncan McLaren — Mr. R. M. Smith —

Instructions were given to intimate to Mrs. Scott that her Room would not be rented by the Council after Whitsunday next—

Mr. Buchan reported that, in accordance with the instructions of the Council, he had written to the Society's Observers, with a request that each would furnish the Registrar General with a Return, weekly, of Temperature and Rainfall, and that each had agreed to do so—

Marquis of Tweeddale to be written to, to take chair at M.G. —

The following parties were, on the motion of the Chairman, elected Members of the Society in terms of the Laws, on their application—

Dr. James Howden, on behalf of the Montrose Royal Lunatic Asylum—

Charles Morton Esq., W.S.—

Jo. W. Mackie Esq., Prince's Street—

George Harrison Esq., North Bridge—

The Treasurer was directed to write to the Marquis of Tweeddale, expressing the Council's hope that His Lordship would preside at the approaching Half-yearly General Meeting— In the event of His Lordship's not being to preside—

preside, Sir John Stuart Forbes to be written to, with a request that he would do so –

Meeting of Council, in the Society's Chambers, on 19th. January 1865, at half past One P.M., preparatory to the Half Yearly General Meeting to be held at Two, and for any other Business –

Present – Mr. Milne Home – in the Chair –
The Most Noble The Marquis of Tweeddale
Mr. Stephens –
Admiral Ramsay –
Mr. Johnston –
Mr. Cox –
Dr. Mitchell –
Mr. Stevenson –
Mr. Primrose –
Mr. Cunningham –
Sir John Stuart Forbes –
Mr. Elliot –

The Meteorological Secretary –
The Treasurer –

The

19th. January 1865 –

The Minutes of last Meeting of Council, held on 6th. inst., were read, and found correct –

The Treasurer stated that, as instructed at last Meeting, he had intimated to Mr. Scott that the Room at present occupied by the Society would not be required after Whitsunday next.

The Treasurer reported that, as directed at last Meeting of Council, he had waited on Dr. Sanderson and Messrs. McLaren and Smith, and that each had expressed, very cordially, his willingness to join the Council, if elected, and indicated a hearty interest in the progress and success of the Society – And that he had also, as directed, written to the Marquis of Tweeddale, and had received a letter from His Lordship intimating his purpose of presiding at the Half-yearly Meeting –

The Treasurer further reported that, since last Meeting of Council, the following Gentlemen had intimated their wish to be admitted Annual Members of the Society, Viz –
Josiah Livingston Esq., 4 Minto Street £ – 10. –
James Colston Esq., 30 Findhorn Place – – 10. –
Alexander Ramsay Esq., Manager of the Edinburgh Water Company – – 10. 6
Edward Aytoun Esq., 1 Charlotte Place – – 10. –
These Gentlemen were, each, admitted, in terms of the Laws of the Society –

Meeting of Council, in the Society's Chambers, on 15th February 1865, at 2 P.M. –

Present – Mr Milne Home in the Chair –
Mr Primrose –
Mr Stephens –
Dr Mitchell –
Dr Jackson –
Admiral Ramsay –
Mr Cunningham –
Mr Sanderson –
Mr Smith –

The Meteorological Secretary –
The Treasurer –

The Minutes of last Meeting of Council, held on 19th ulto., were read, and found correct –

Mr Stephens mentioned the steps he had taken toward the establishment of a Station at Dundee – The Chairman also mentioned his having been in communication with the Provost of Dundee on the same subject – Thanks were returned to both –

The Chairman laid before the Meeting a letter which had been received from the Lords of the Treasury dated   inst., relative to accommodation for the Society's business in the New General Post Office, and exhibited a Ground Plan of the Building and pointed out the particular part of the Building

&c

Building which it was proposed to designate, temporarily, for the use of the Society – and mentioned the information, as to details, he had received from the Master of Works – The Chairman, further, mentioned his having seen, with the Treasurer, one or two different Rooms, in George Street and Hill Street, which appeared not quite unsuitable for temporary occupation for the purposes of the Society – After fully considering of the whole subject, the Council agreed to accept the offer of ~~it was resolved that the~~ ~~[illegible]~~ whole arrangements should be committed to the Chairman and Messrs. Stevenson and Johnston, with powers –

Treasurer, subject to the approval of Chairman & members of Council –

and instructions were given for continuing the looking out for a Room or Rooms in lieu of the present Room, which had been given up –

Admiral Fitzroy's Letter –

The Chairman read a Letter which he had received from Admiral Fitzroy, dated 10th. inst., relative to the Complaints which had been made of Leith and ~~Fr~~ Stornoway having been struck out of the List of Seaports from which Returns had been and published by Adml. Fitzroy received – and he stated that the names of these ports had, since, been restored to the List referred to – The Chairman was requested to write to Admiral Fitzroy the gratification of the Council that he had seen fit so soon to remove ~~the ground~~ all alleged grounds for complaint such as those alluded to – And he was requested to draw the Admiral's notice to a fact, mentioned by Mr. Smith, that ~~complaints had been made as to the exclusion of~~ Heligoland ~~&c~~ also had been omitted from the List of Returns, though Returns from that Island were of great importance, especially to Insurance Companies and others connected with the departure of shipping –

The Meteorological Secretary then explained the progress he had made in preparing his Report on ~~the laws of Storms~~ certain Storms which had occurred in Europe in October November & December 1863 –

1863, and expressed a hope that he would be able to complete it in the course of the next three weeks.

New Circular — The Treasurer directed attention to the fact that the supply of the Circular from the Council which had been in the course of being issued for the last two years was running low, and suggested the expediency of its being revised, and adapted to the more advanced state of the Society's progress since it was prepared; and it was resolved that this should be done. Mr Stevenson had kindly offered to give his attention to it.

The following Gentlemen were admitted Members of the Society, on their request to that effect—

Sir David Baxter, of Kilmaron, Bart.
Charles Murray Barstow Esq., C.A., Edinburgh
Mr Robert Mckelty, Watchmaker, 78 Prince's Street
Andrew Cuthbertson Esq., Greendykes, Tranent
Andrew Mitchell Esq., Alloa
~~George Park Esq., White Bank, Musselburgh~~
~~James Primrose Esq., Greendykes, Dalkeith~~
Joseph Robertson Esq., High School, Inverness
~~Dr Jackson~~

Meeting of Council, in the Society's Chambers, on 16th March 1865, at two P.M. —

~~The Treasurer~~
Present — Mr. ~~[illegible]~~ ~~[illegible]~~ Milne Home — in the Chair —
Admiral Ramsay —
Mr. Johnston —
Mr. Smith —
Captn. Thomas —
Mr. Cunningham —
Mr. ~~[illegible]~~ Stephens —

The Meteorological Secretary —
The Treasurer —

The Minutes of last Meeting of Council, held on 15th February, were read, and found correct —

The Chairman said that the present Meeting had been called for consideration of the subjects mentioned in the billets, ~~viz~~ viz: — Mr. Buchan's Report on Storms — Report from the Finance Committee — a New Officer and a New Circular from the Council — ~~These subjects were taken up in their order~~

Mr. Buchan laid on the table his Report on Storms —

The Chairman stated that he had had an opportunity of perusing Mr. Buchan's Report and that he had been much gratified in the course of his doing so — that it appeared to him ~~to be~~ fitted to be of great utility, especially in some respects, which he particularly mentioned — Mr. Johnston, he being a Member of the Council of the Royal Society, kindly undertook to peruse Mr. Buchan's Report, with a view to its being X

X brought by him under the notice of that Council, that they might judge of its suitability for being read before the Royal Society, and, if approved there, as there was good ground to hope it would be, published in that Society's Transactions — It was hoped that if it should be so published, arrangements might be made for an Abstract of it being inserted in the Journal of this Society subsequently to its having ~~appeared in the Royal Society's Transactions or~~ read to the Royal Society —

16th. March 1865–

X

As regards a new Office, the Chairman reported that, since last Meeting, a couple of Rooms had been seen, in No. 5 North Charlotte Street, which appeared preferable to any other which had been seen, and very suitable for the purposes of the Society; and that, as these were offered, for the Year from Whitsunday next to Whitsunday 1866, at the Rent of Seventeen pounds, covering Coal, Gas, ~~attendance~~, and Taxes, he, with the concurrence of Mr. Stevenson, had directed the acceptance of the Offer; and that it had been accepted accordingly–

X

On the suggestion of Mr. Buchan, it was agreed that in cases where expenses were incurred, the benefit of which would extend over more year than one, the amount of the expenses should be charged proportionally against the Revenue of such years–

The Chairman laid on the table a Report from the Finance Committee, who had given earnest attention to the whole matter embraced in it. It had been submitted to Mr. Buchan and Mr. Gibson, who had, each, expressed their concurrence with it, so far as their interests might be considered to be involved in its adoption by the Council. On the motion of the Chairman, the Report was unanimously adopted, and the recommendation at the end of it, as to its being subscribed by each Member of the Council, as well as by the Officers of the Society, was also adopted–+

Light Houses–

It was agreed, however, to make further inquiry on the subject, with a view to ascertaining whether some of the Returns referred to, especially from localities where this Society has no Station, might not be procured and made available–

The Chairman mentioned his having been spoken to by a Member of the Board of Commissioners for Northern Light Houses as to whether certain Returns, made to that Board, of Observations made at the different Light Houses might not be made available for furthering the objects of this Society– That this subject had been, formerly, more than once, under the consideration of this Council; but that difficulties, in the way of expence and otherwise, had appeared to lie in the way of "utilizing" the Returns referred to; and that he did not yet see his way toward their being got

over–

Baron Brunnow. Mr Johnston read a Letter from The Marquis of Tweeddale, in which, inter alia, His Lordship mentioned his having had an interview with His Excellency Baron Brunnow, the Russian Ambassador to this Country, and that His Excellency had stated that it would give him great pleasure to forward, in every way in his power, the objects of this Society, in the way of giving directions for the making of Returns of Observations made in Russia, or otherwise — His Lordship to be requested to express to His Excellency the Council's best thanks for his kind consideration —

Present Address of Marquis of Tweeddale Claridge's Hotel, London.

Mr ~~[struck]~~ Buchan submitted, in proof, a New Circular which he had prepared — It was approved and adopted, and directions were given for its being printed, and issued in the same way as the former Circular had been, ~~to parties~~ considered likely to join the Society, whose names might be found in the Lists of the New Club, The Merchant Company and Chamber of Commerce, The Chamber of Agriculture and Farmers' Club, &c., &c. —

Mr Johnston submitted, on the part of Dr S. Jackson, who was unavoidably absent, a Report from the Medico-Climatological Committee, which, it was proposed, should form part of the next No. of the Journal — and it was agreed that it should form part accordingly —

The Treasurer stated that, since last Meeting of Council, the following gentlemen had intimated their wish to be admitted Annual Members of the Society, viz. —
Samuel Hay Esq., Manager of the Union Bank of Scotland —
Alexander James Russell Esq., C.S. —
Ramsay H. Traquair Esq., Colinton —
Revd. Wm. Harrie ~~Esq.~~ of Brownlee, Lanarkshire —
~~Mr James Colston, Printer, Rose Street~~
Christopher Home Douglas Esq., C.A. —
Mr William Oliphant Morrison, Printer, Thistle Street
~~and~~ Dr Paterson, Balbeggie, Perth —

and that Mr. O. G. Miller, Dundee, and Mr. Silver, London, had intimated their desire to be transferred from the List of Annual, to that of Life, Members of the Society. Further, that Mr. O. G. Miller had requested him to propose as a Life Member of the Society David Pitcairn Esq. of Kinnaird, Fifeshire.

On the Motion of the Chairman, Each of the abovenamed Gentlemen was elected a Member of the Society as requested by each.

With reference to what passed at last Meeting of Council on the subject of a Station at Dundee, Mr. Stephens again reported; and the Meeting expressed their gratification at the prospect of a successful issue to the negociations which Mr. Stephens had been conducting there. An Excerpt from a Minute of Meeting of the Works' Committee of the Burial Board at Dundee, held on 6th curt., was read; and the cordial thanks of the Council were voted to Mr. Kerr, the Town Clerk of Dundee, and to the other parties there who had lent their aid toward the expected happy result, which thanks Mr. Stephens was requested, and agreed, to communicate. Thanks were also returned to Mr. Stephens.